


Company	EXTRACTION O&G	Company	EXTRACTION O&G
Well	WAAG 20	Well	WAAG 20
Field	WATTENBERG	Field	WATTENBERG
County	WELD	County	WELD
State	COLORADO	State	COLORADO
Location:		API # : 05-123-40346-00	Other Services
SHL: 345' FSL & 2213 FWL			
Permanent Datum	GL	Elevation	4868
Log Measured From	KB		
Drilling Measured From	KB		
		Elevation	K.B: 4893 D.F: 4893 G.L: 4868
Date	15 OCT 15		
Run Number	1		
Depth Driller	11981		
Depth Logger	7250		
Bottom Logged Interval	7250		
Top Log Interval	0		
Open Hole Size	7.75		
Type Fluid	H2O		
Density / Viscosity	8.4		
Max. Recorded Temp.	210		
Estimated Cement Top	SEE LOG		
Time Well Ready	0200		
Time Logger on Bottom	SEE LOG		
Equipment Number	14166		
Location	LONGMONT		
Recorded By	N. SOUTHAM		
Witnessed By	SHAWN MCINTYRE		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
			From
			To
Casing Record	Size	Wgt/Ft	Top
Surface String	9.625	36	0
Prot. String			
Production String	5.5	17	0
Liner			11981

<<< Fold Here >>>

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and shall not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Remarks: Rig:CRANE Prints:2 Service Order #132086384  
THANK YOU FOR CHOOSING WEATHERFORD WIRELINE FOR THE JOB YOUR CREW TONIGHT WAS  
N. SOUTHAM G. BROWN E. PRESTON  
THIS LOG WAS RAN FROM DEEPEST ACHIEVABLE DEPTH TO SURFACE OPEN ENDED AT COSTUMER REQUEST

BHT	EQUIPMENT DATA				
Bit Size	Run No.	Tool Type	Tool No.	Other	
Surface Pressure	1	CTBA	323		
Shut In	1	GRBA	233		
	1	CENB	210		
	1	SBTA	238		
	1	CFNA	216		

  
**Weatherford®**

MAIN PASS

3'5' GR CCL VDL  
CEMENT BOND LOG

Database File      waag20.db  
Dataset Pathname    pass1.10  
Presentation Format   gc3ft5ft  
Dataset Creation      Thu Oct 15 02:38:06 2015  
Charted by            Depth in Feet scaled 1:200

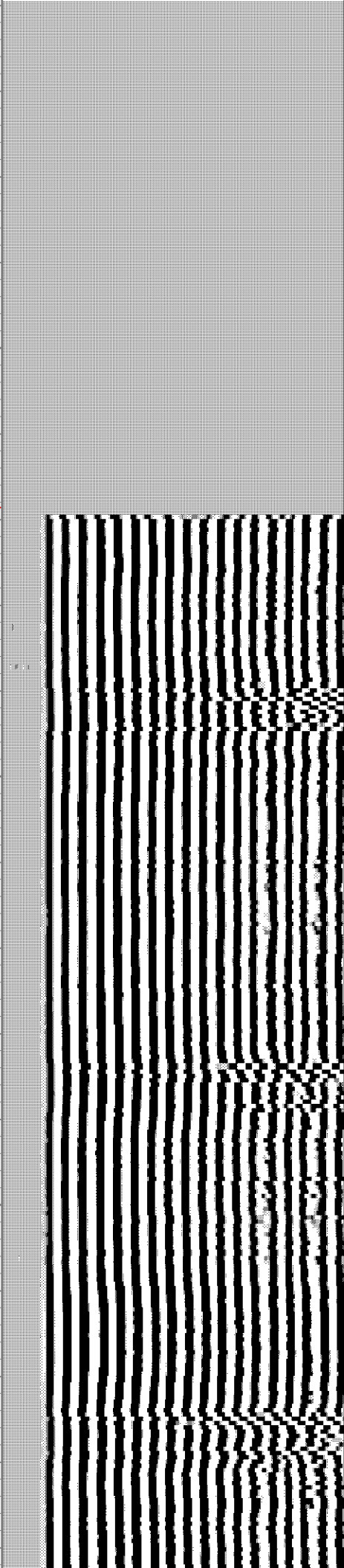
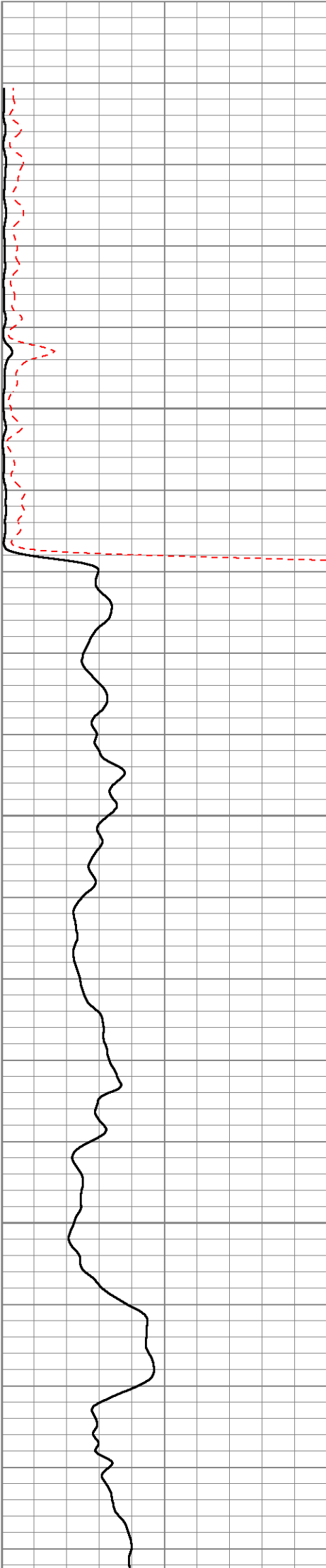
-9	COLLAR LOCATOR	1	TENS	0	AMPLIFIED 3FT AMP (mV)	20	200	Variable Density 5FT	1200
	GAMMA RAY		0	(lb 3000	0	AMPLITUDE 3FT (mV)	100		
	API								

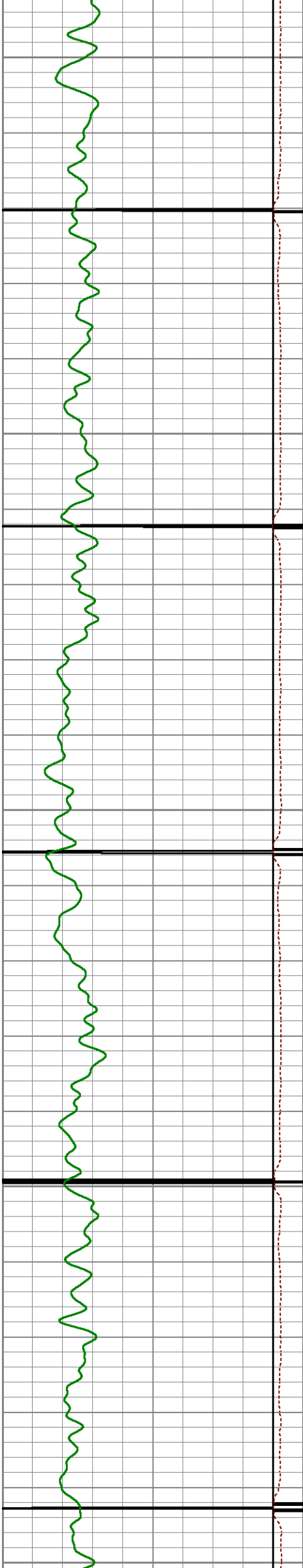


50

100

150





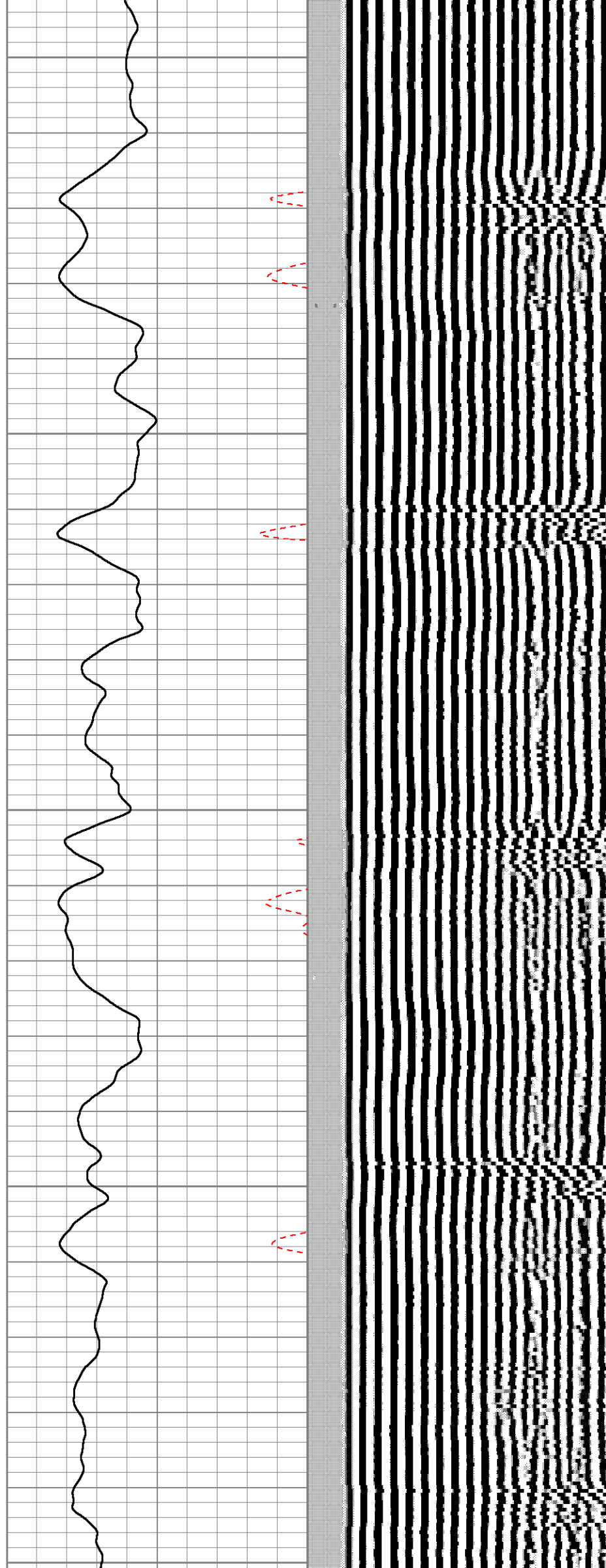
200

250

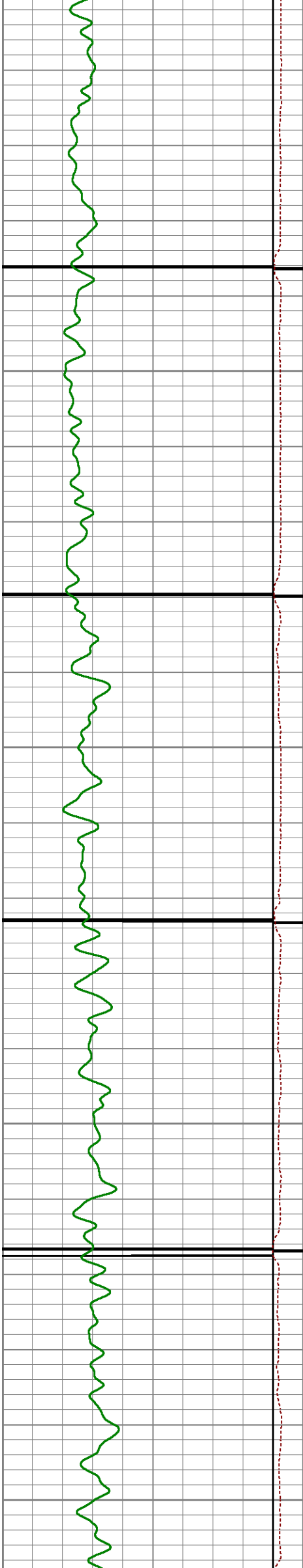
300

350

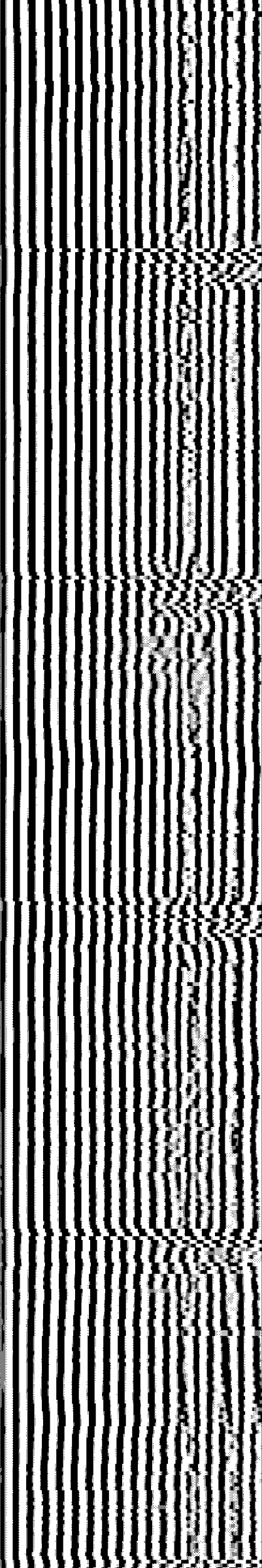
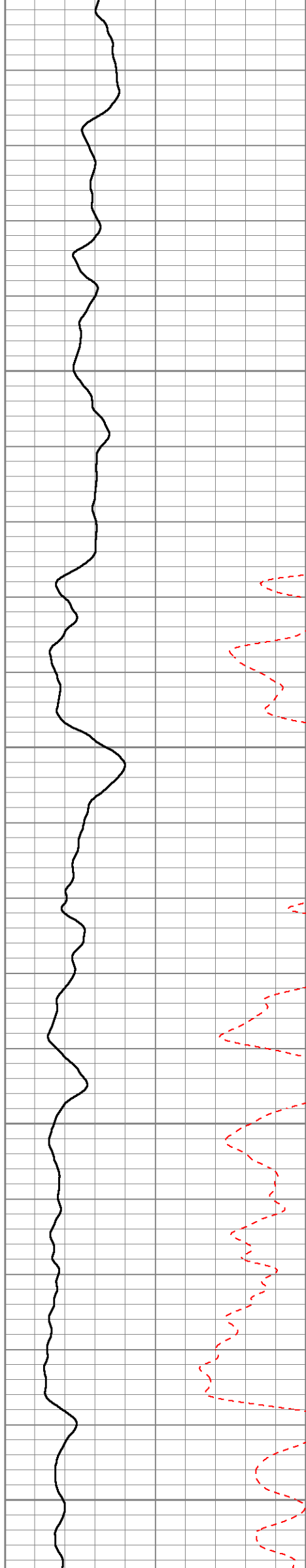
400



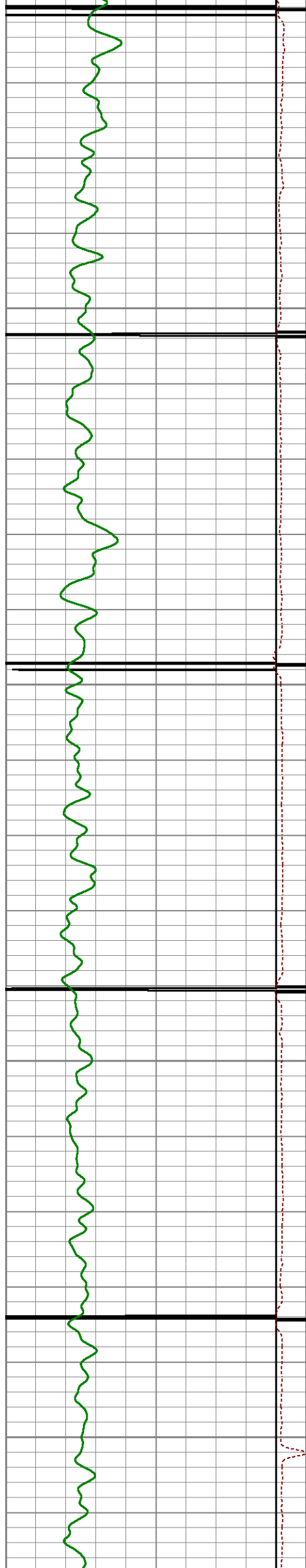




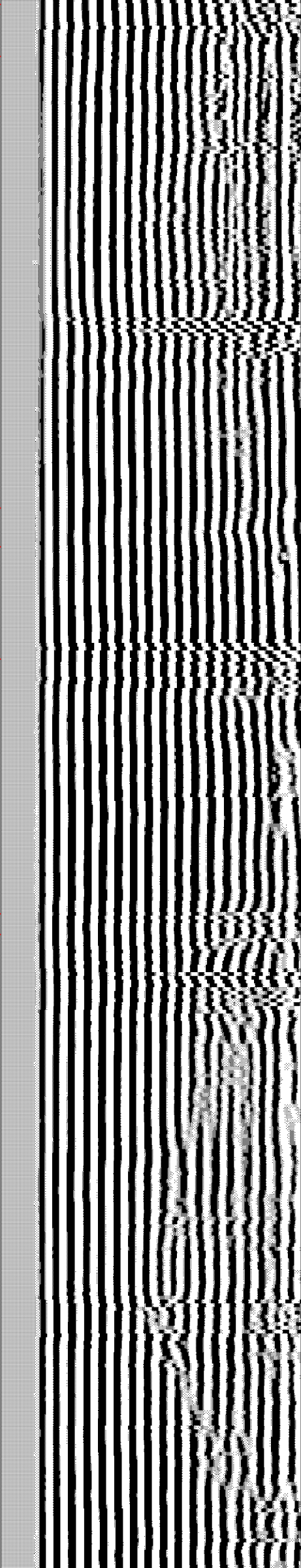
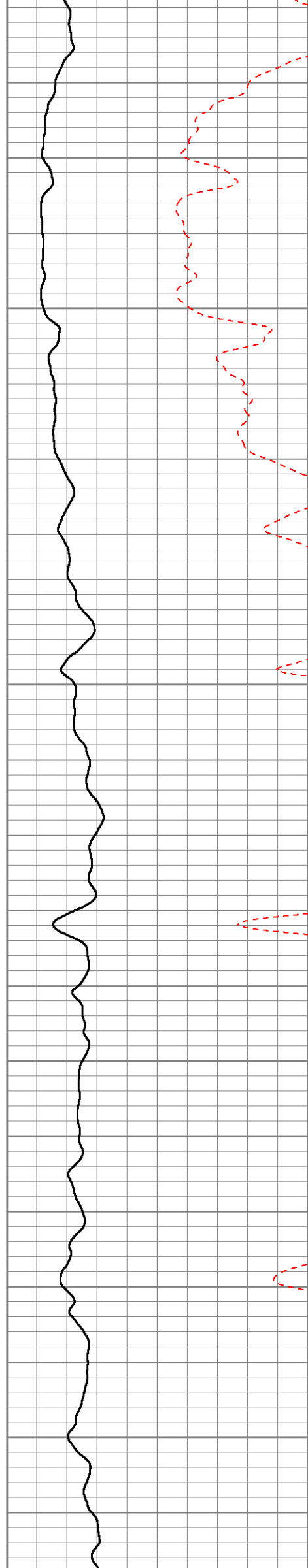
450  
500  
550  
600







650  
700  
750  
800



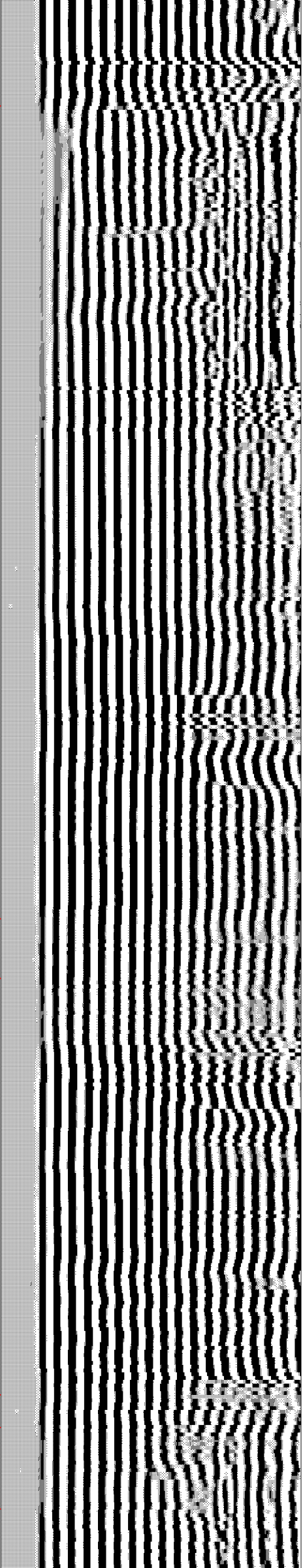
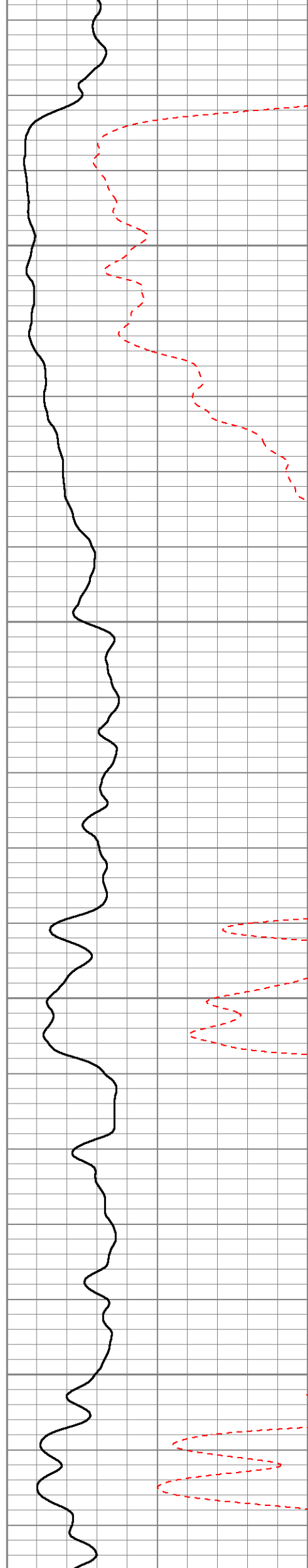


850

900

950

1000



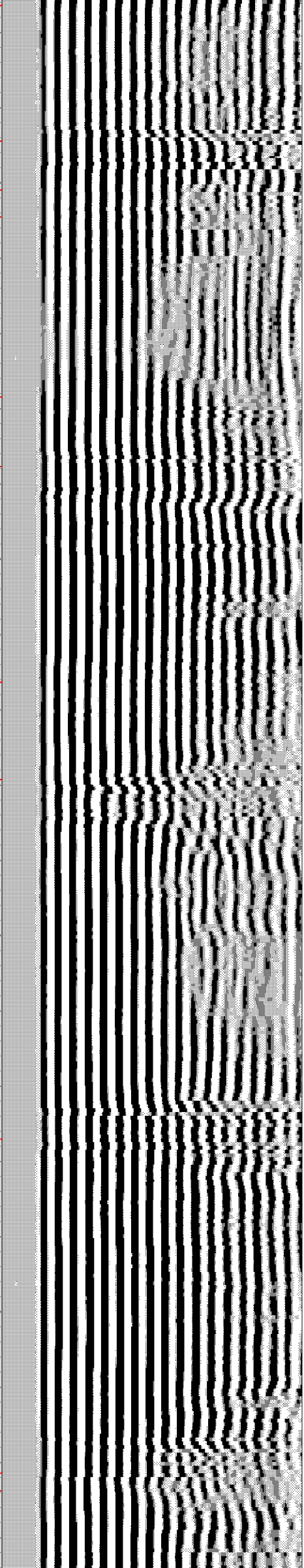
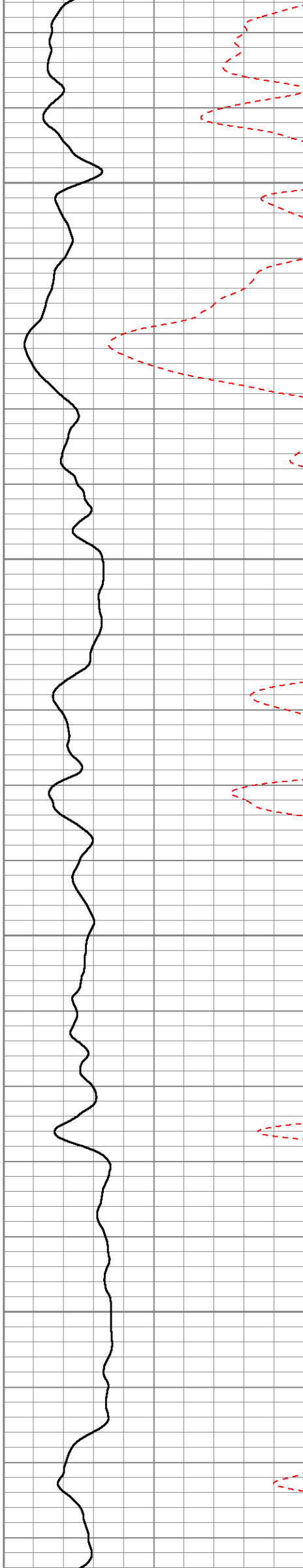


1050

1100

1150

1200





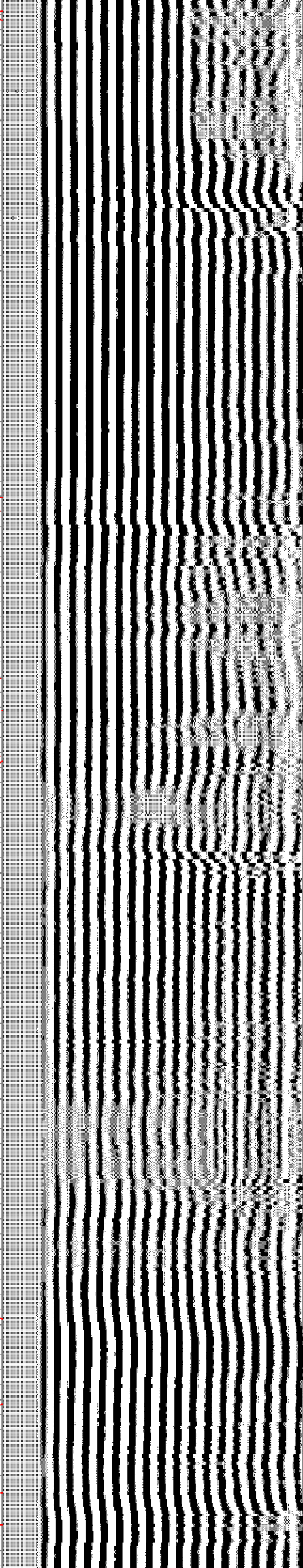
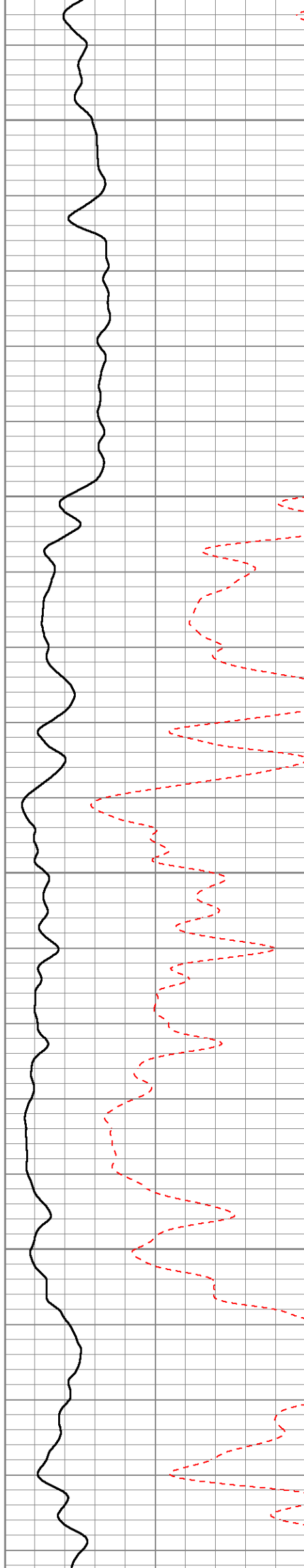


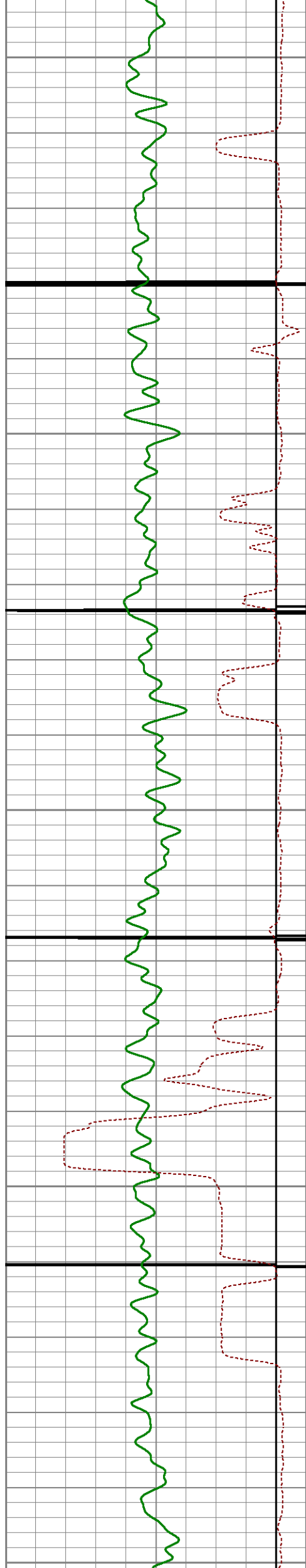
1250

1300

1350

1400





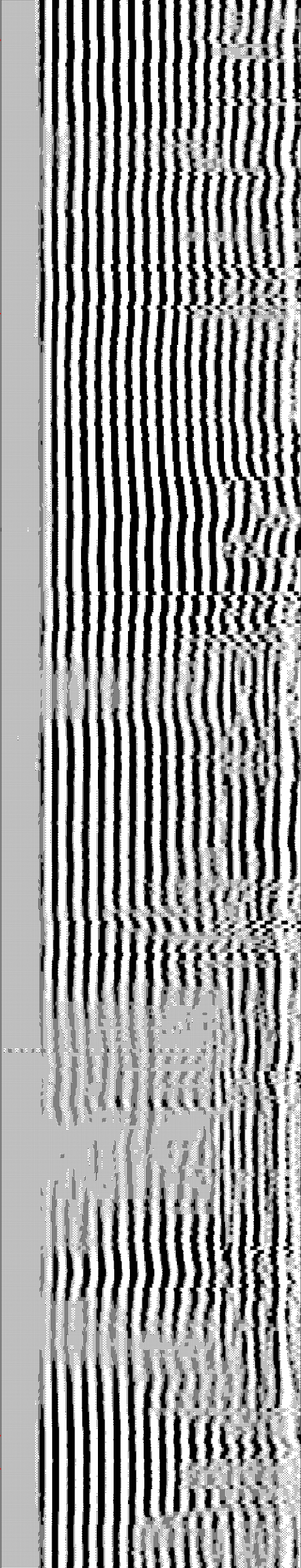
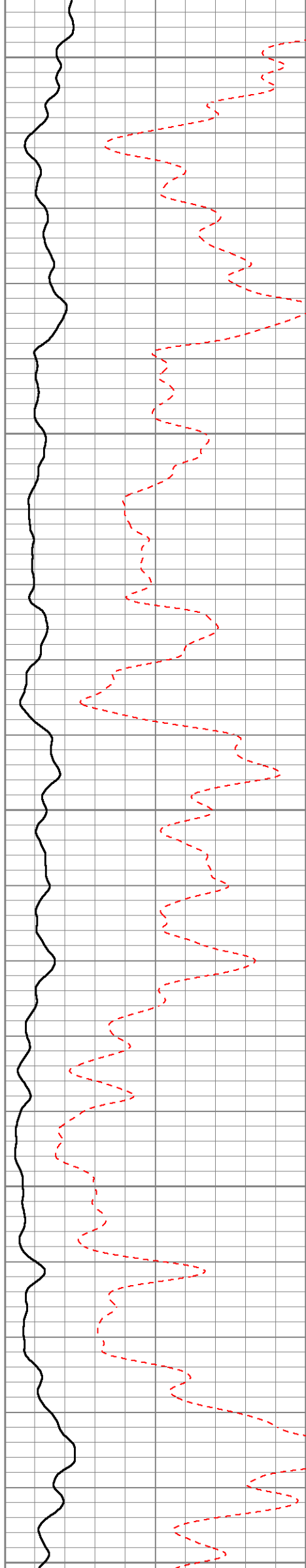
1450

1500

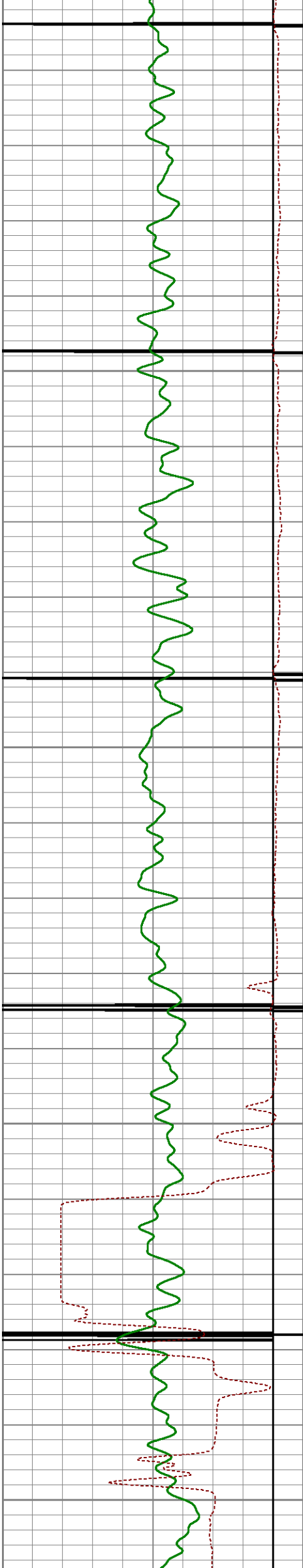
1550

1600

1650





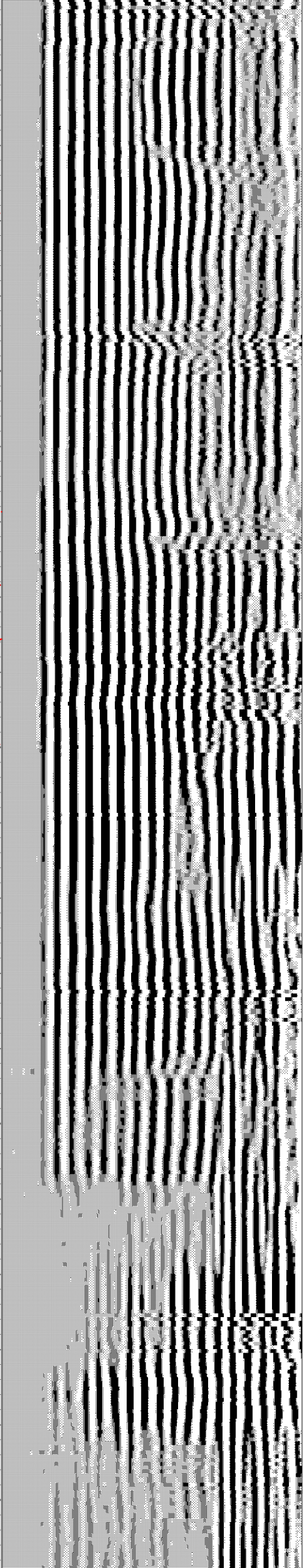
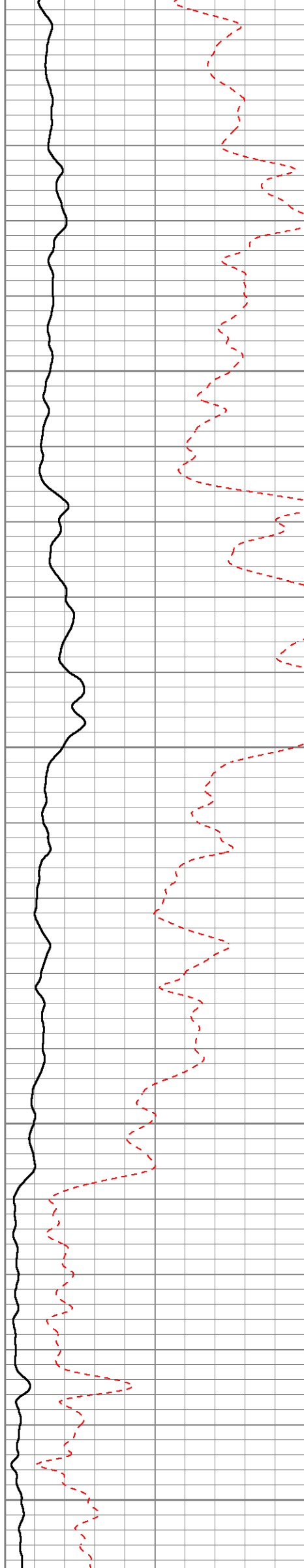


1700

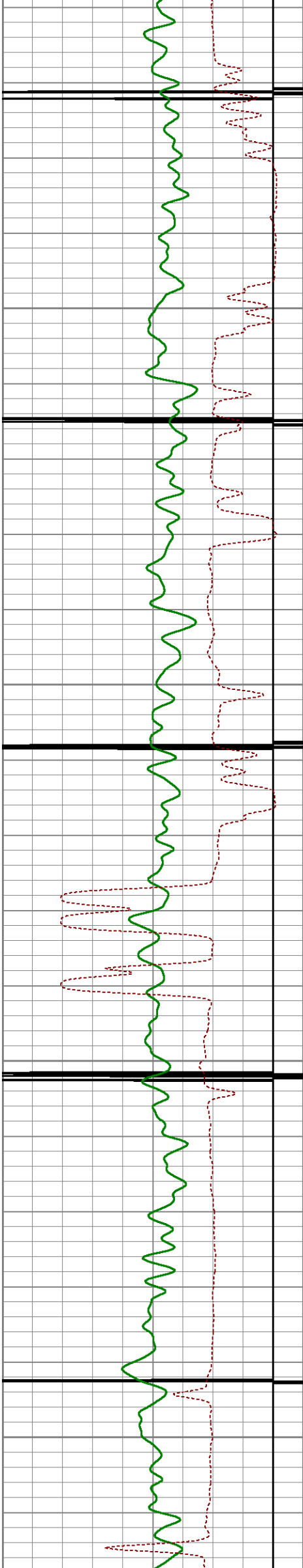
1750

1800

1850





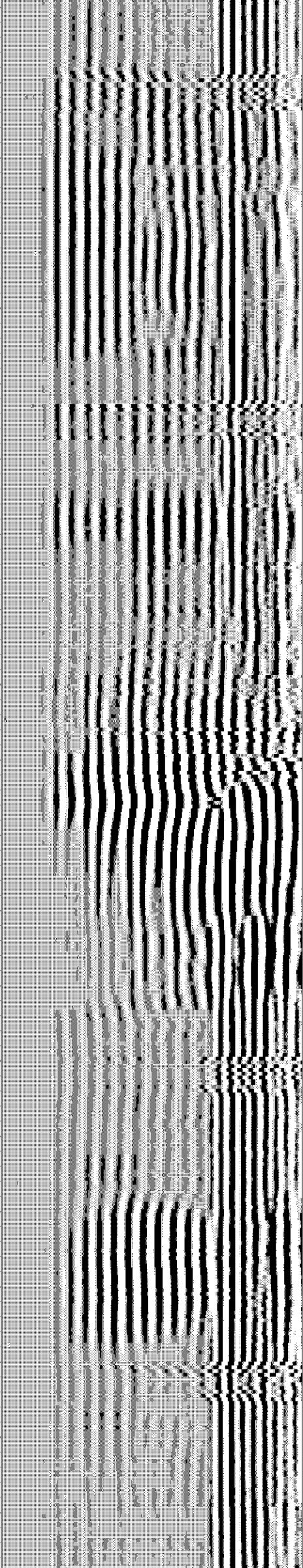
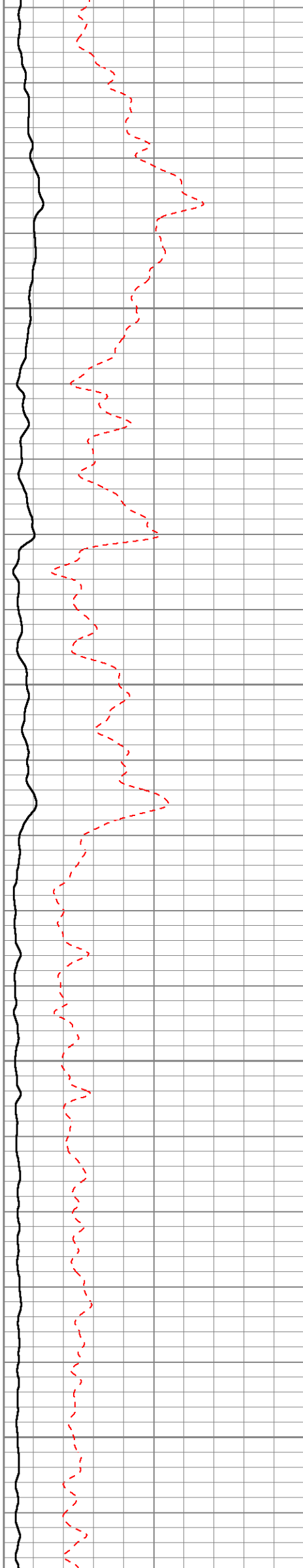


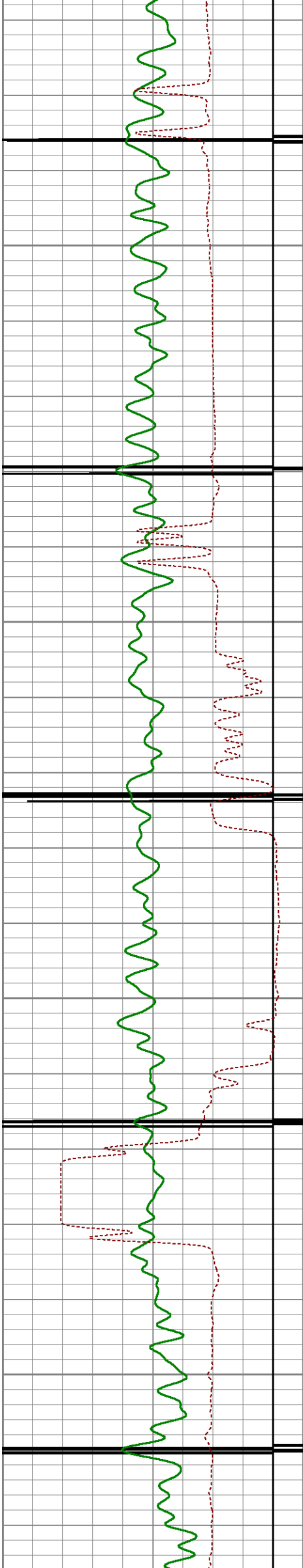
1900

1950

2000

2050



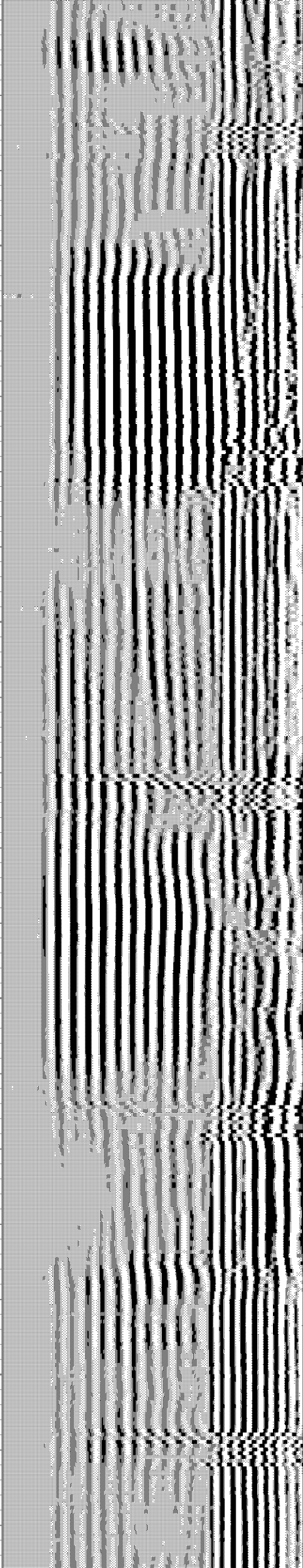
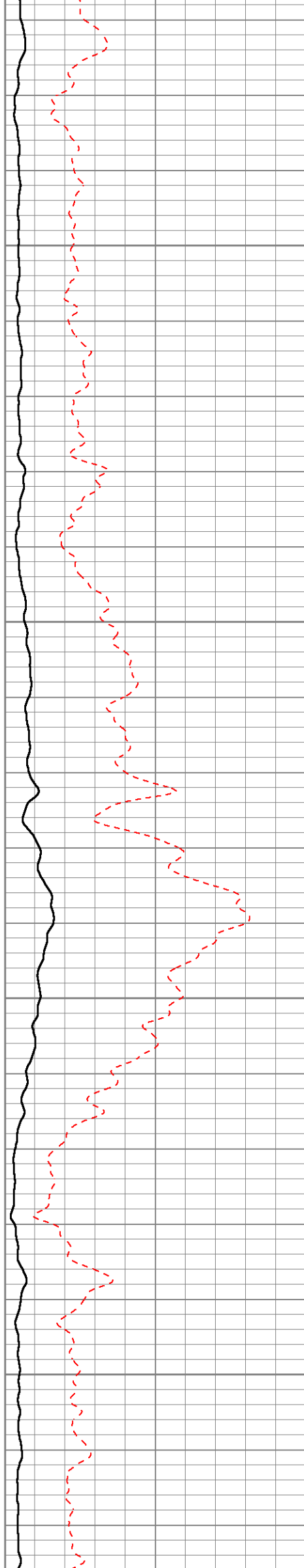


2100

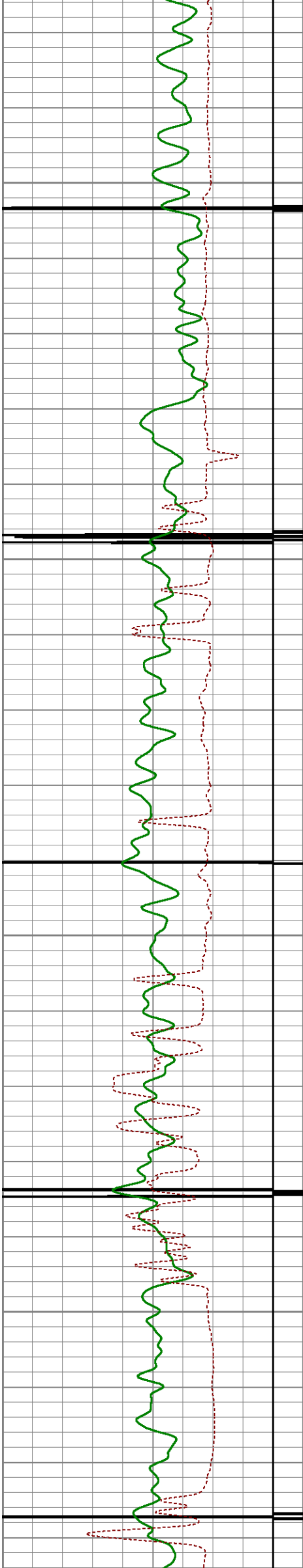
2150

2200

2250





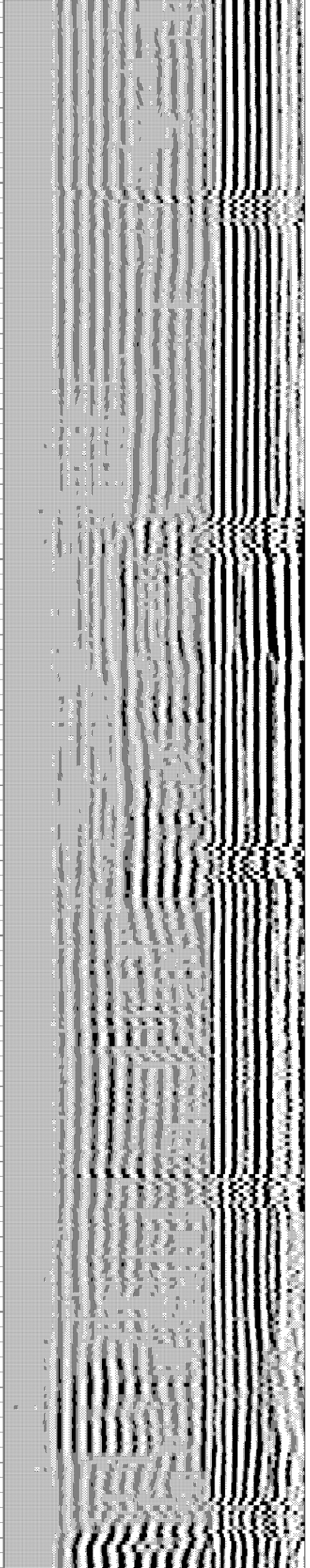
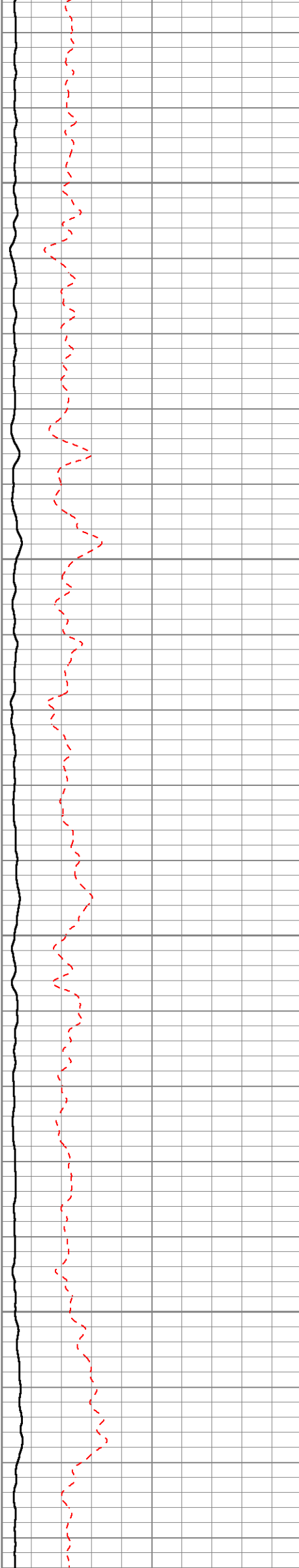


2300

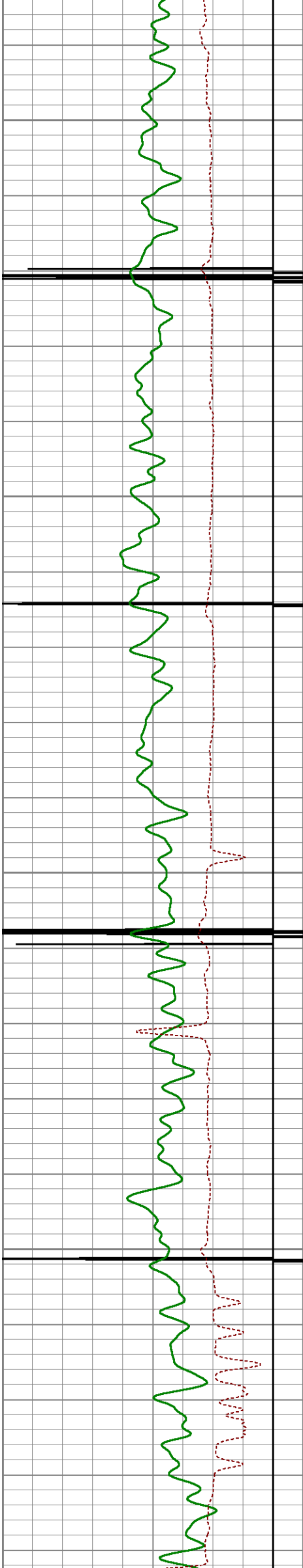
2350

2400

2450





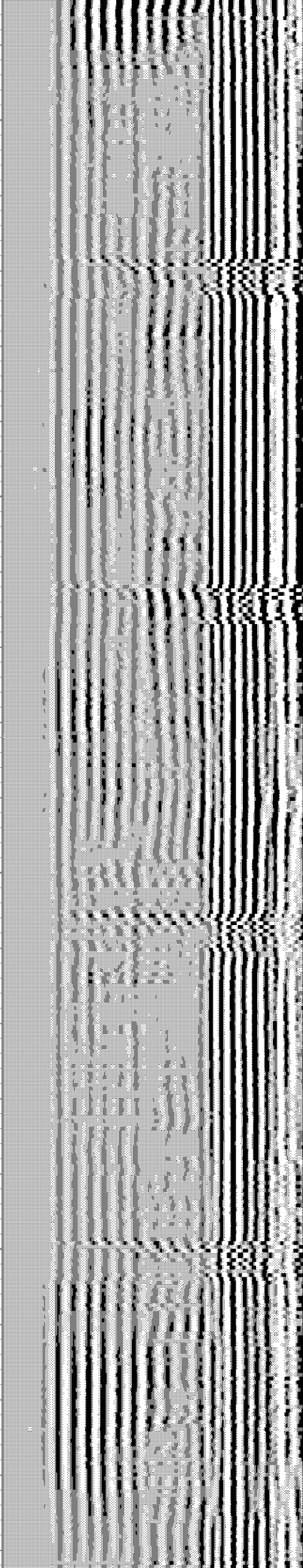
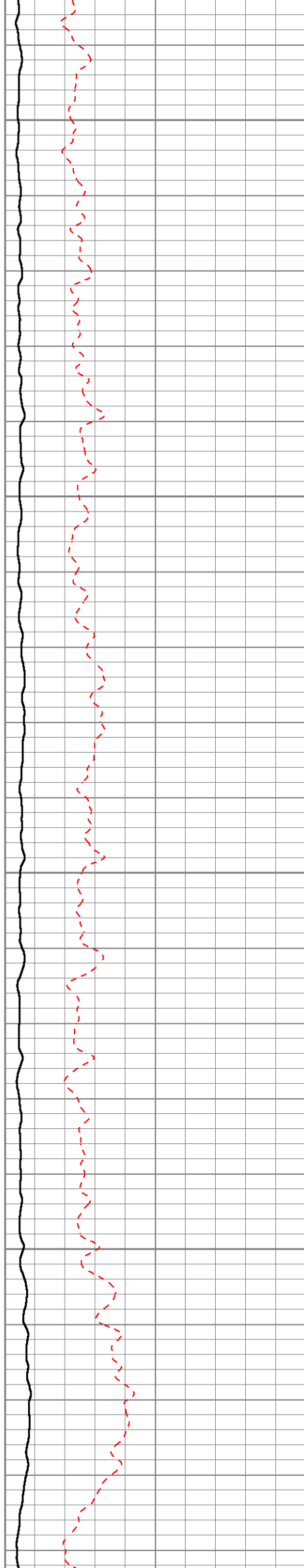


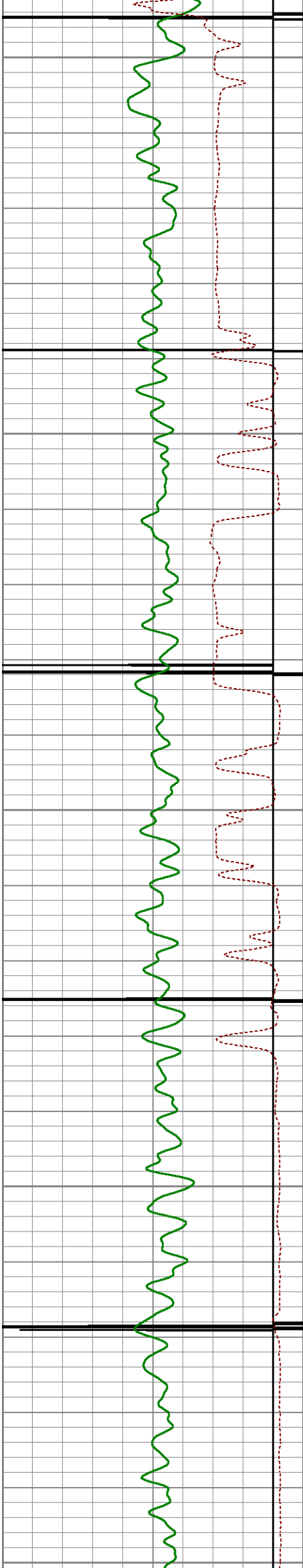
2500

2550

2600

2650





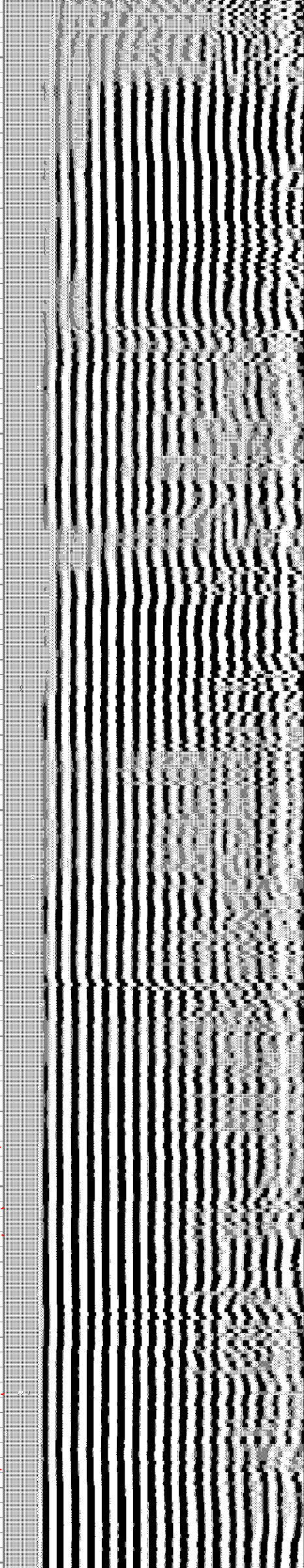
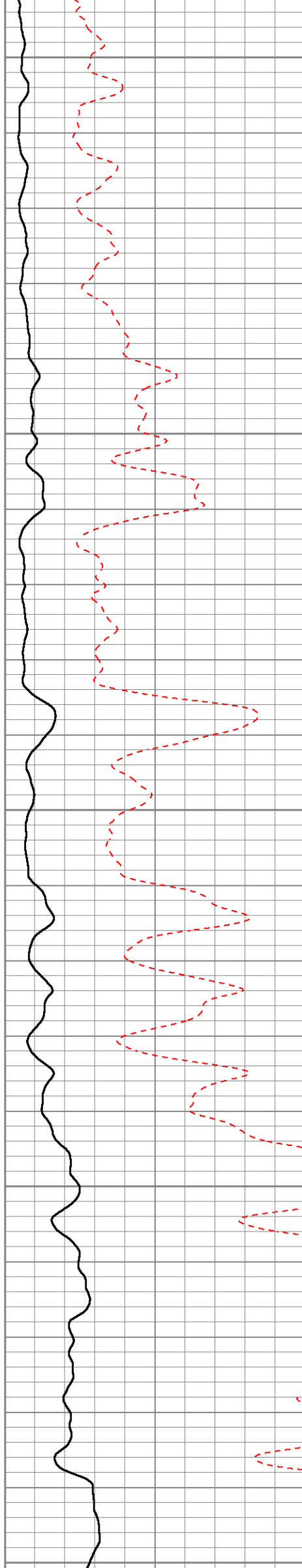
2700

2750

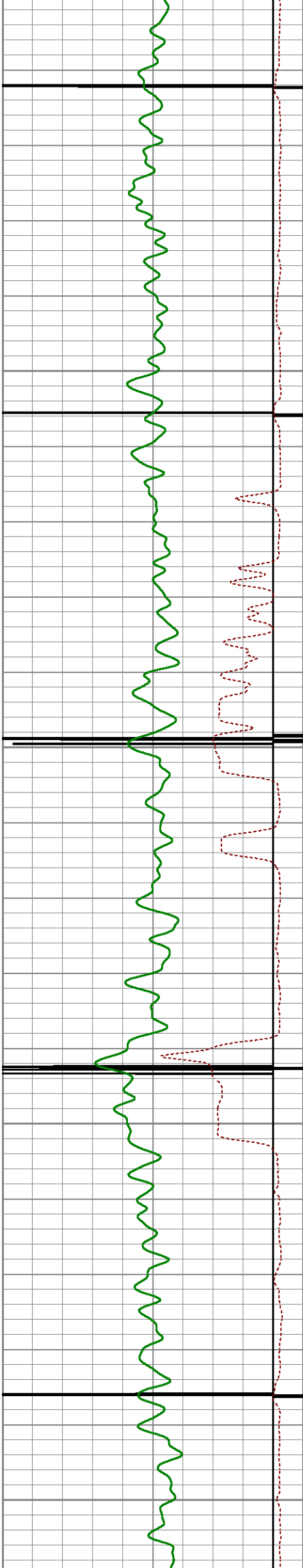
2800

2850

2900





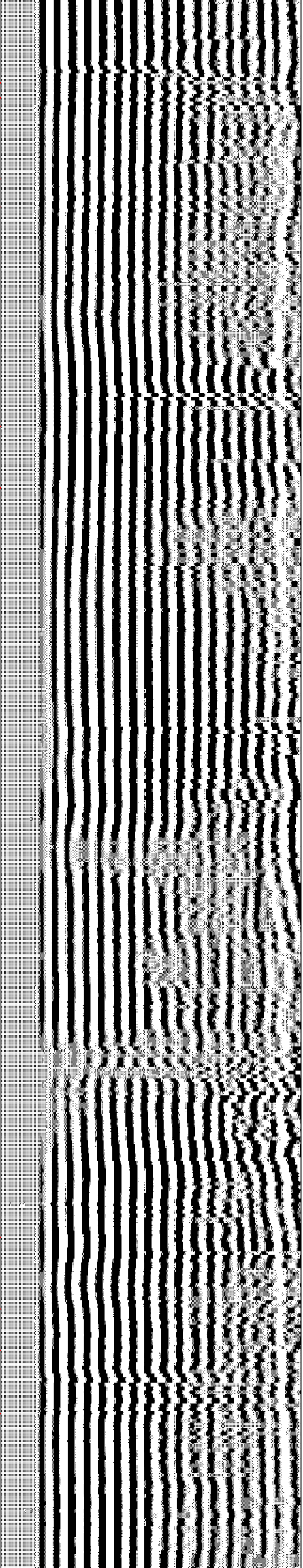
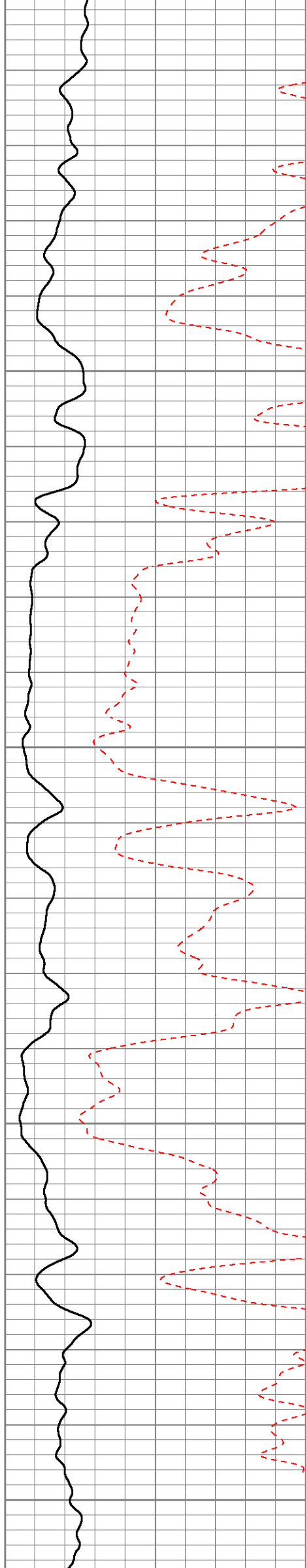


2950

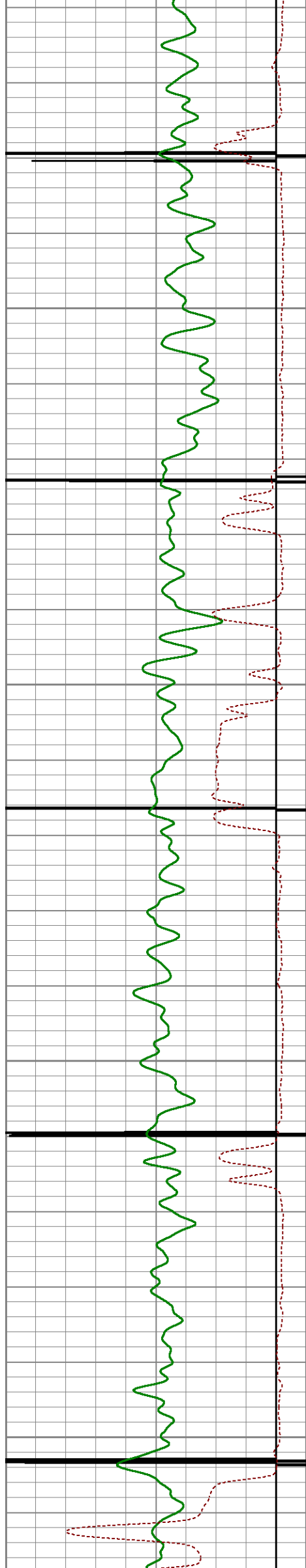
3000

3050

3100





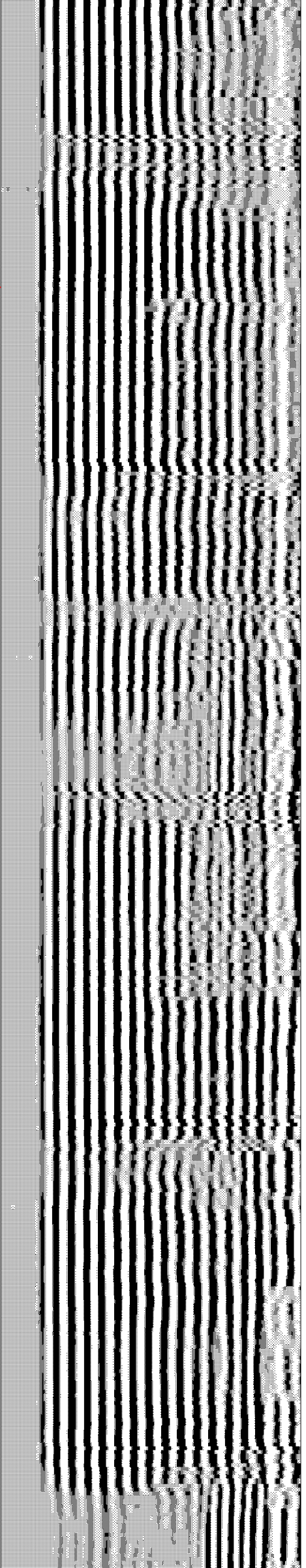
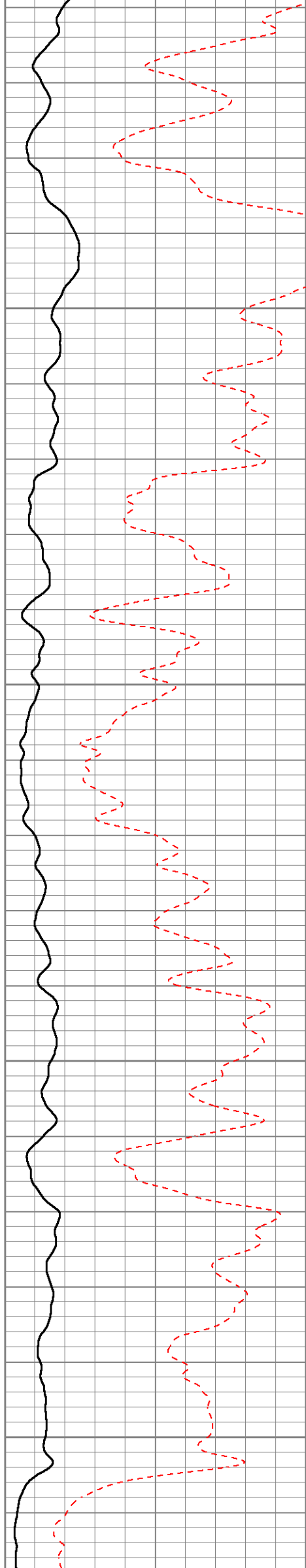


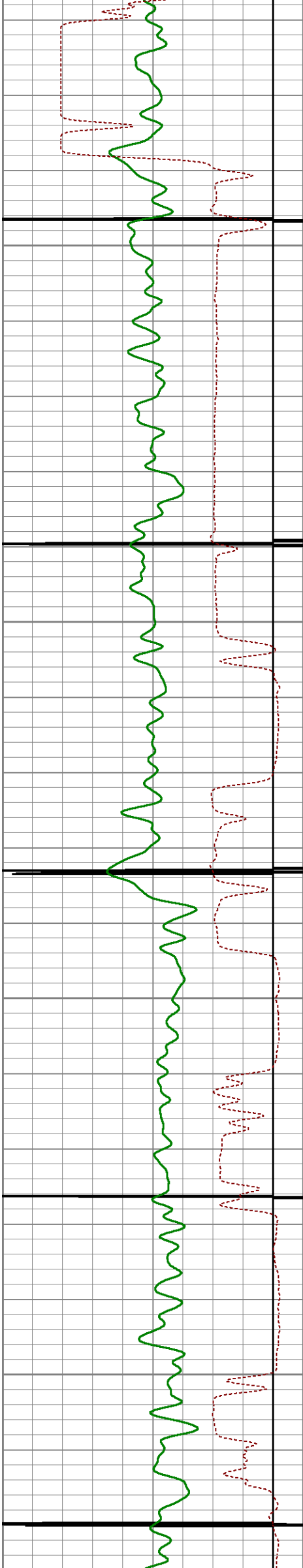
3150

3200

3250

3300



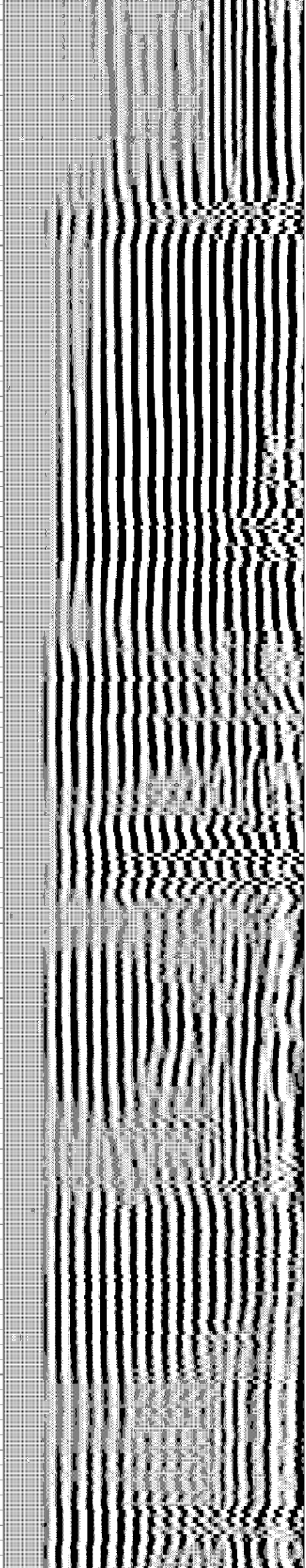
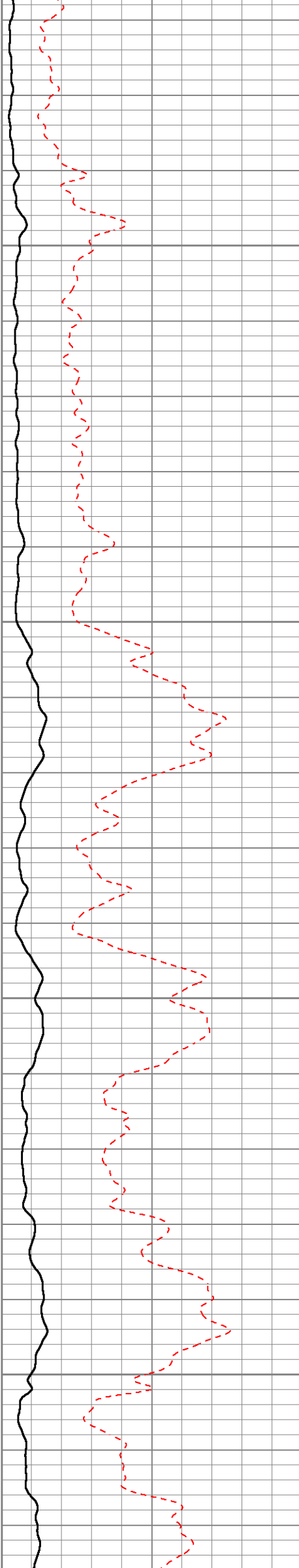


3350

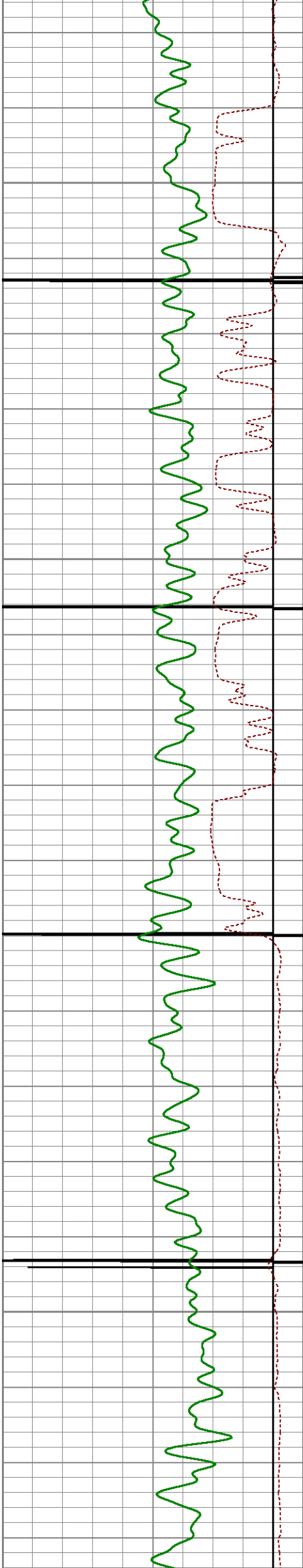
3400

3450

3500





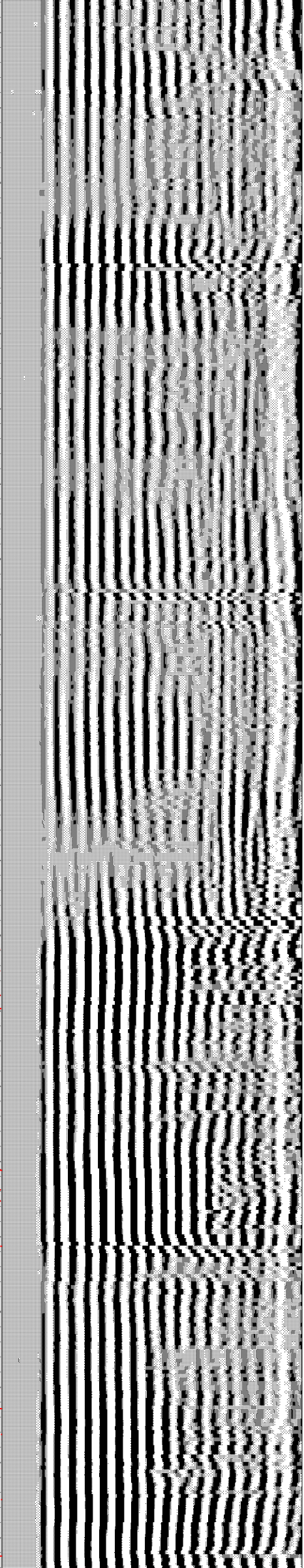
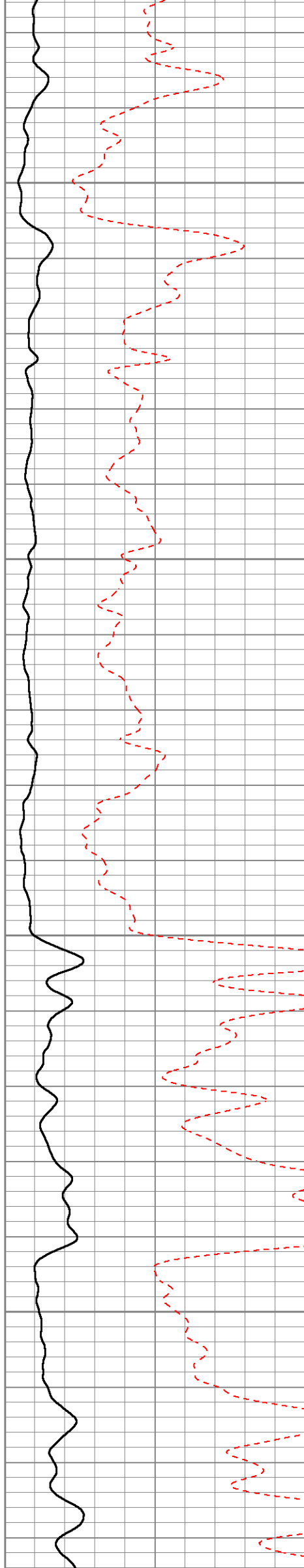


3550

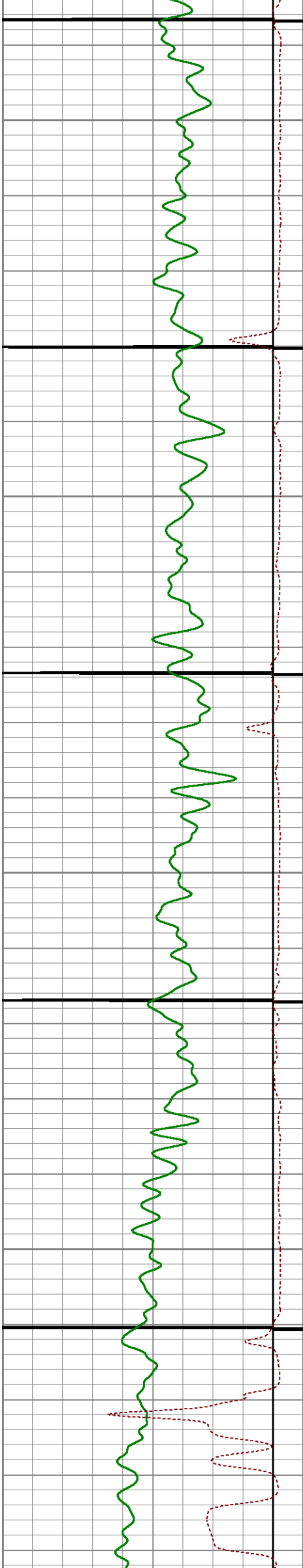
3600

3650

3700





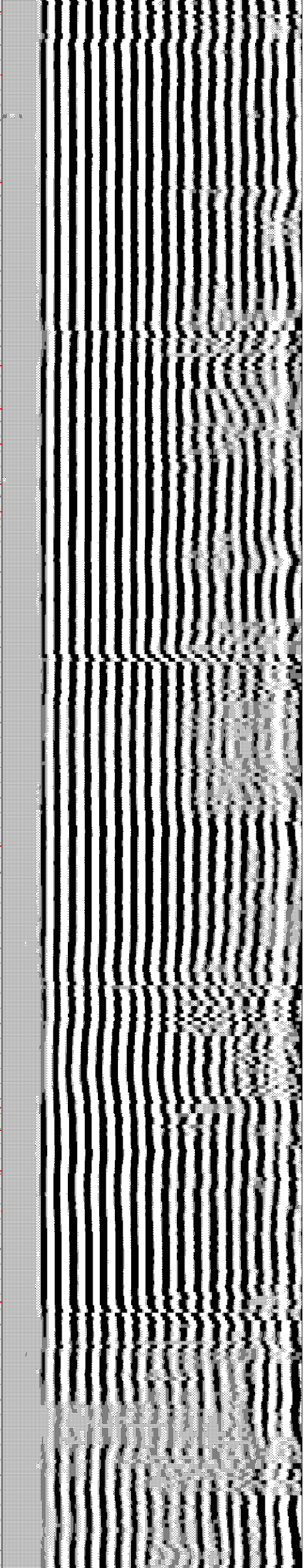
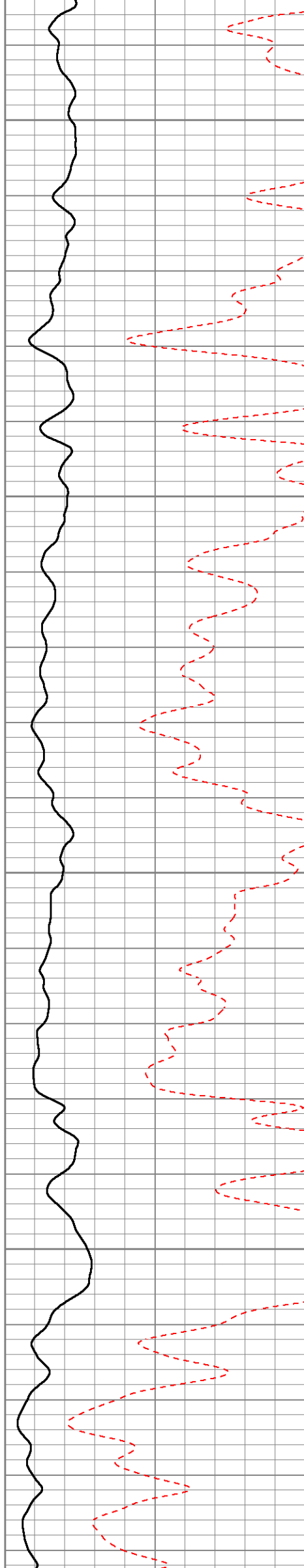


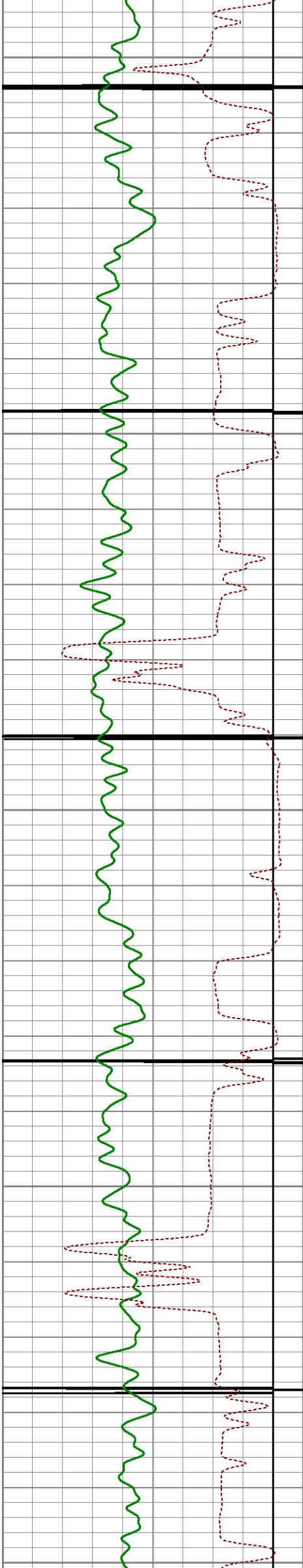
3750

3800

3850

3900





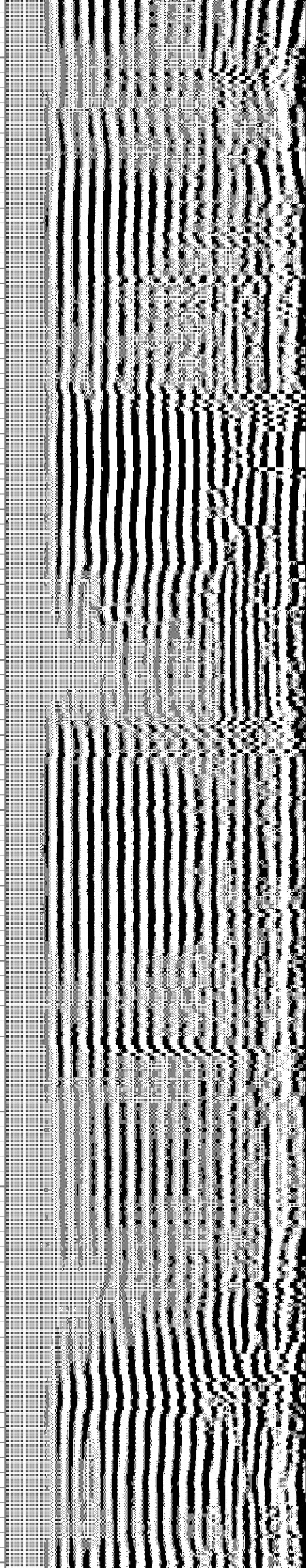
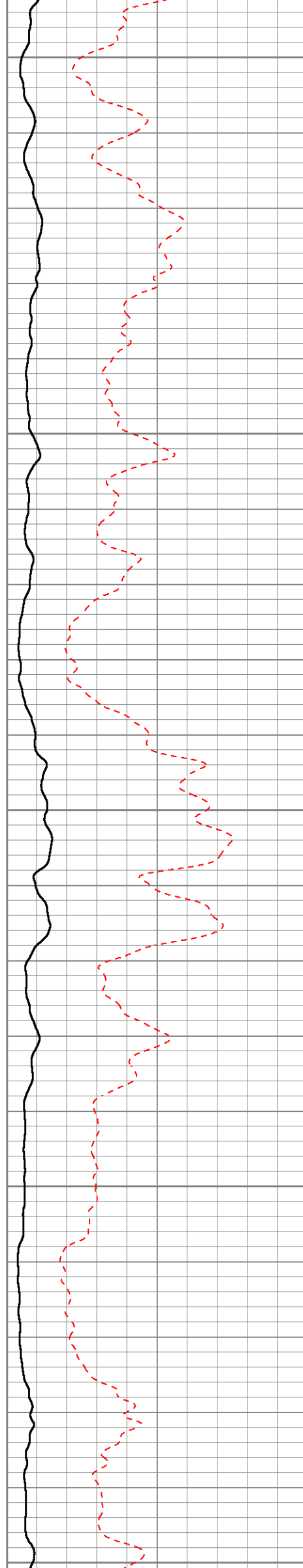
3950

4000

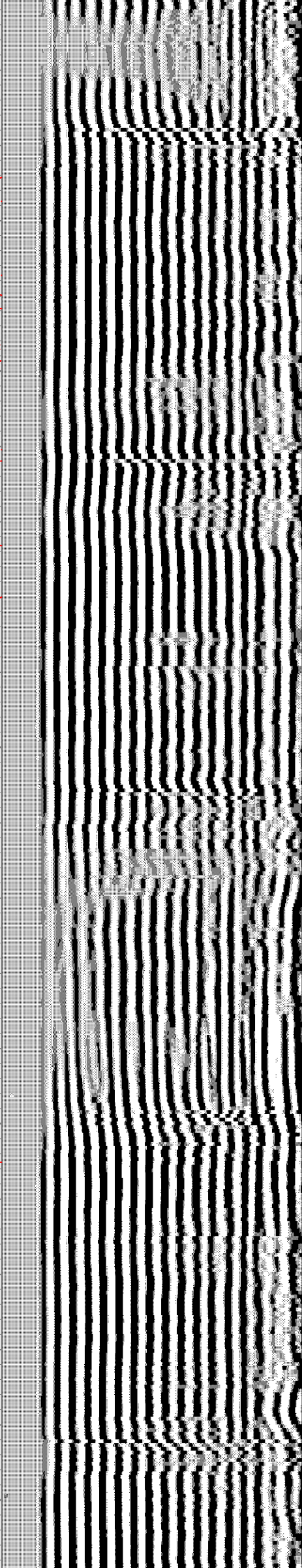
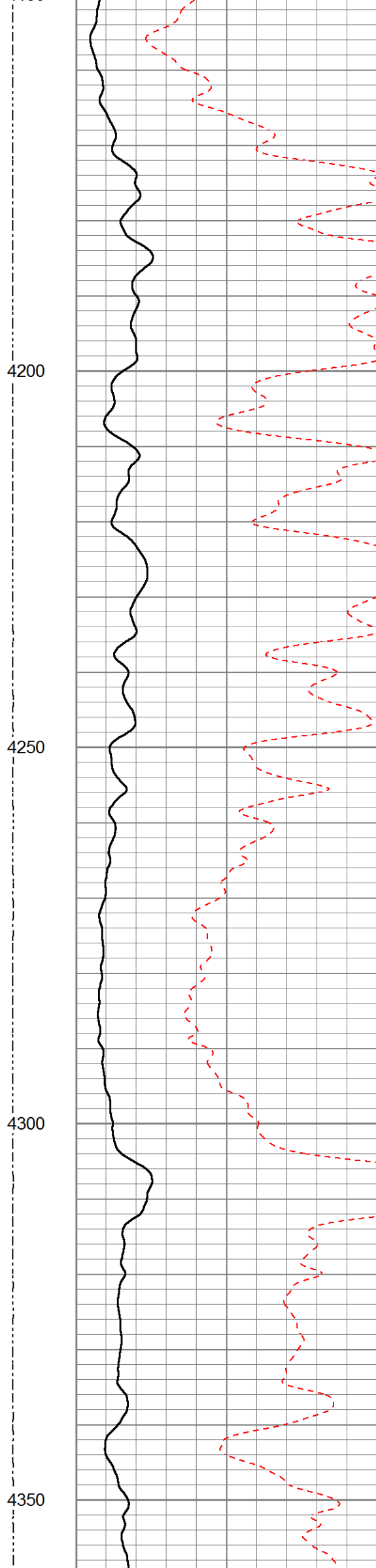
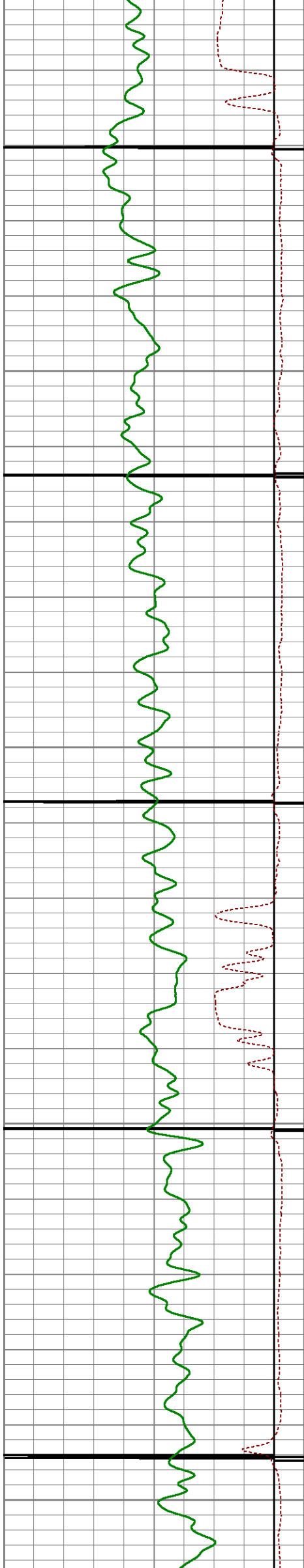
4050

4100

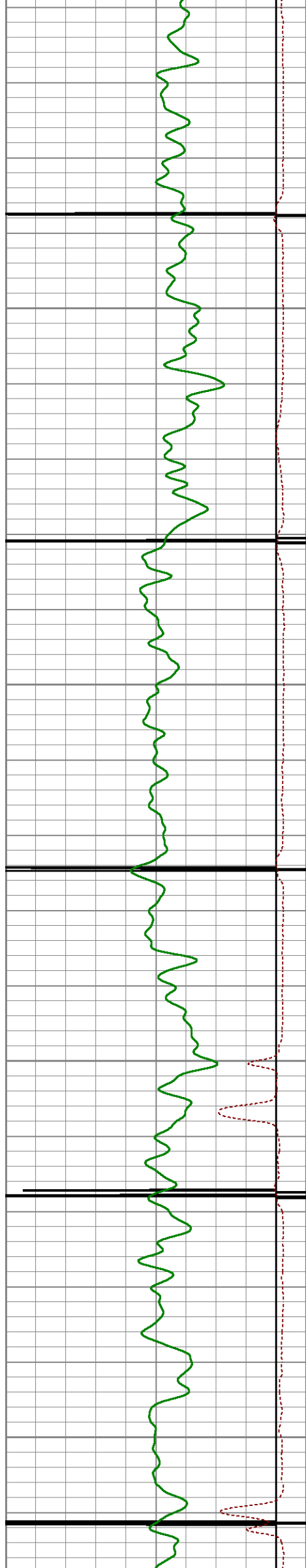
4150









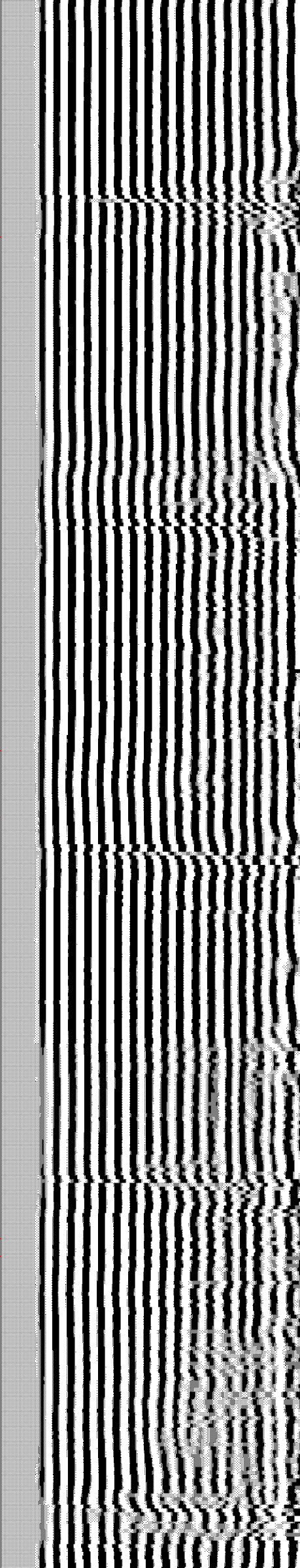
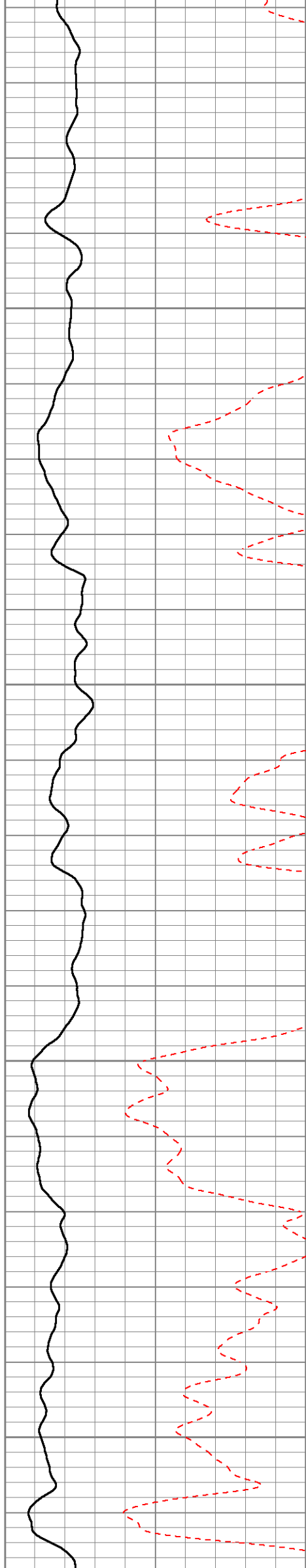


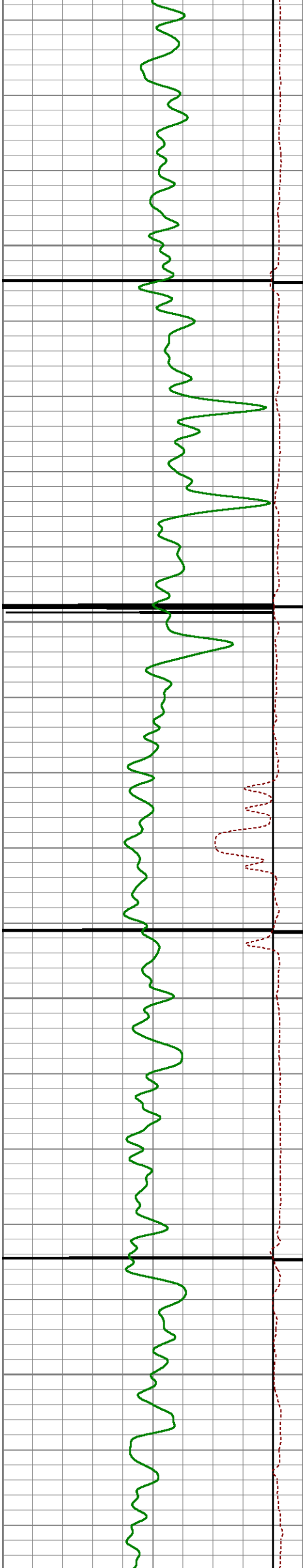
4400

4450

4500

4550



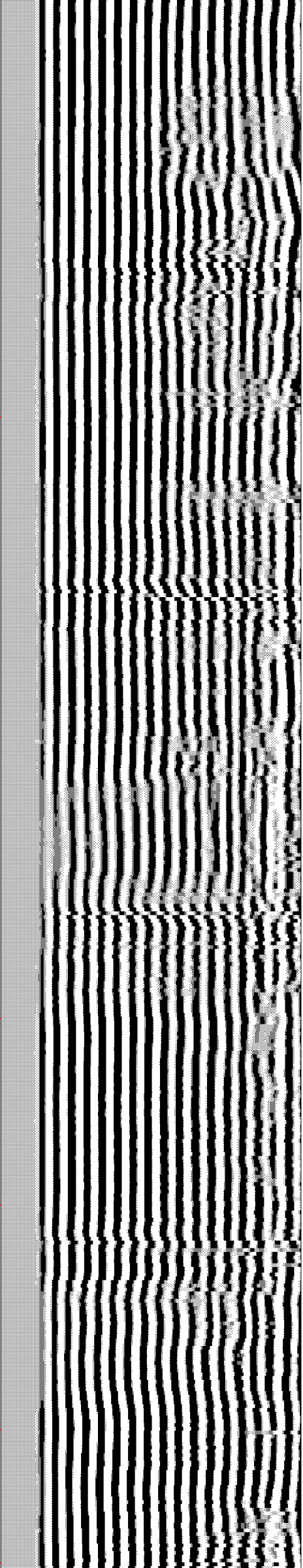
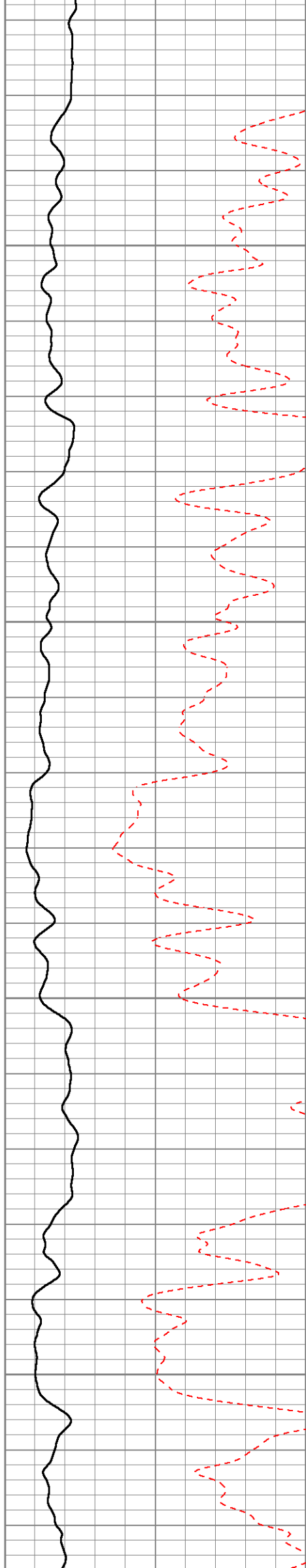


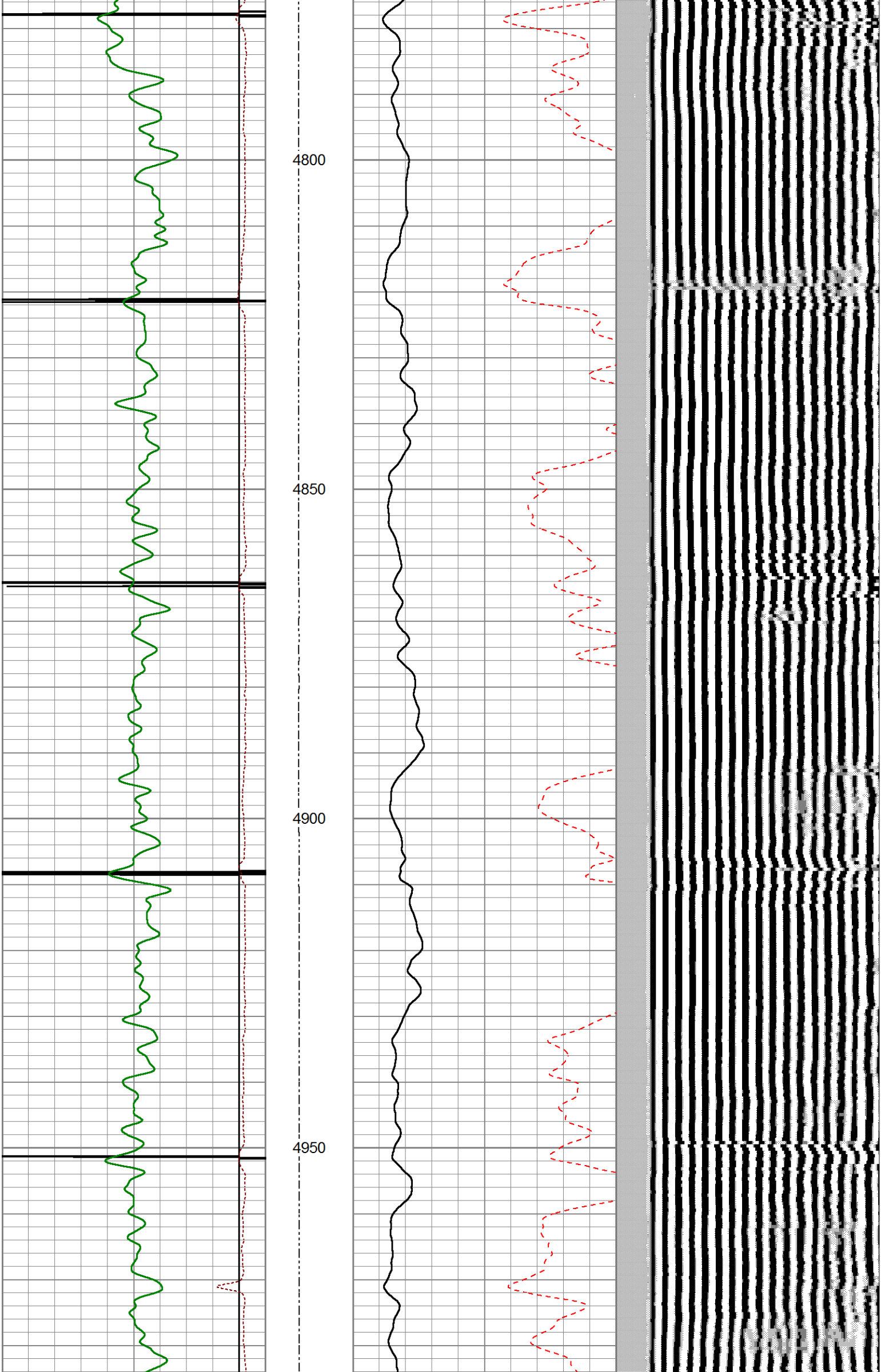
4600

4650

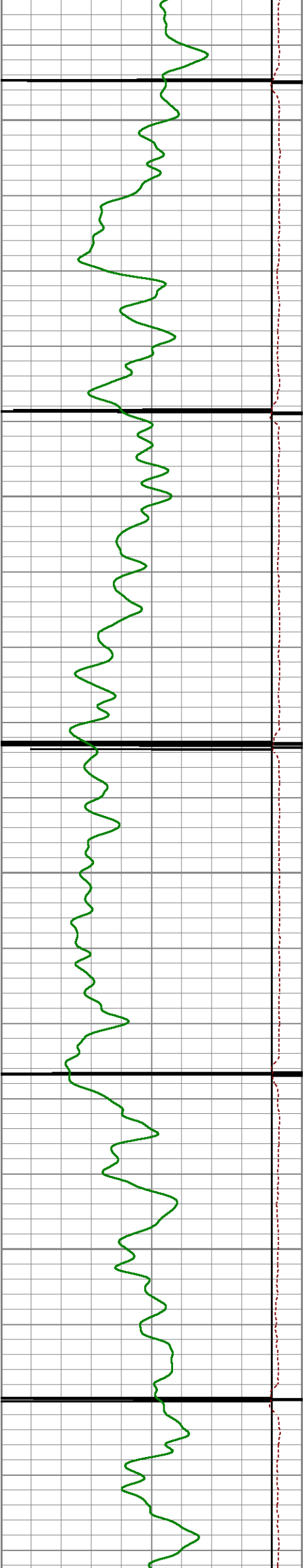
4700

4750







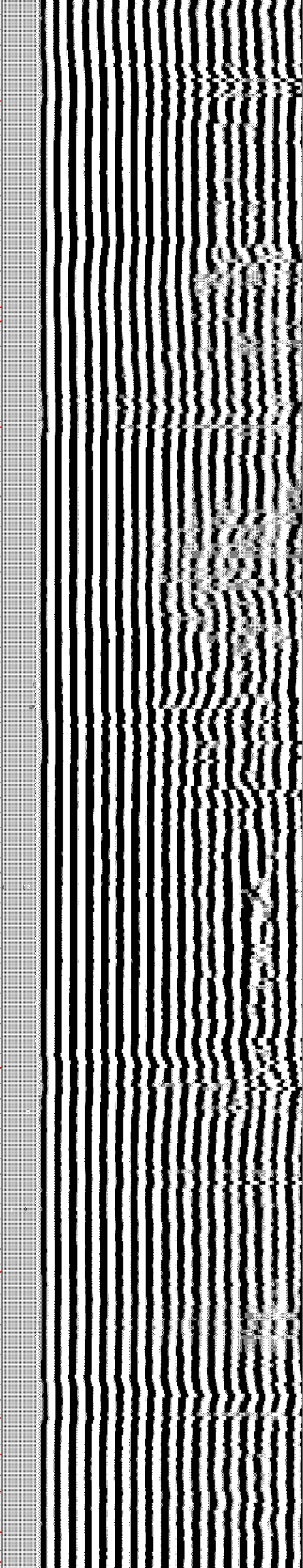
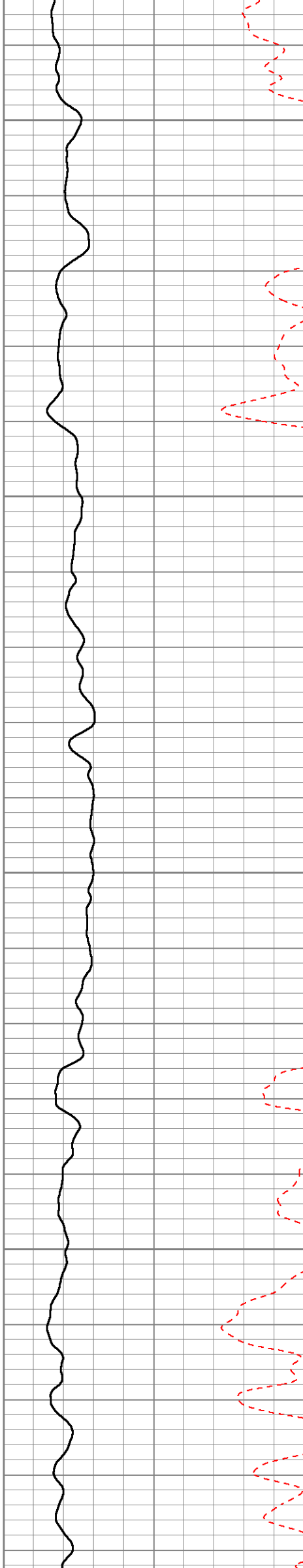


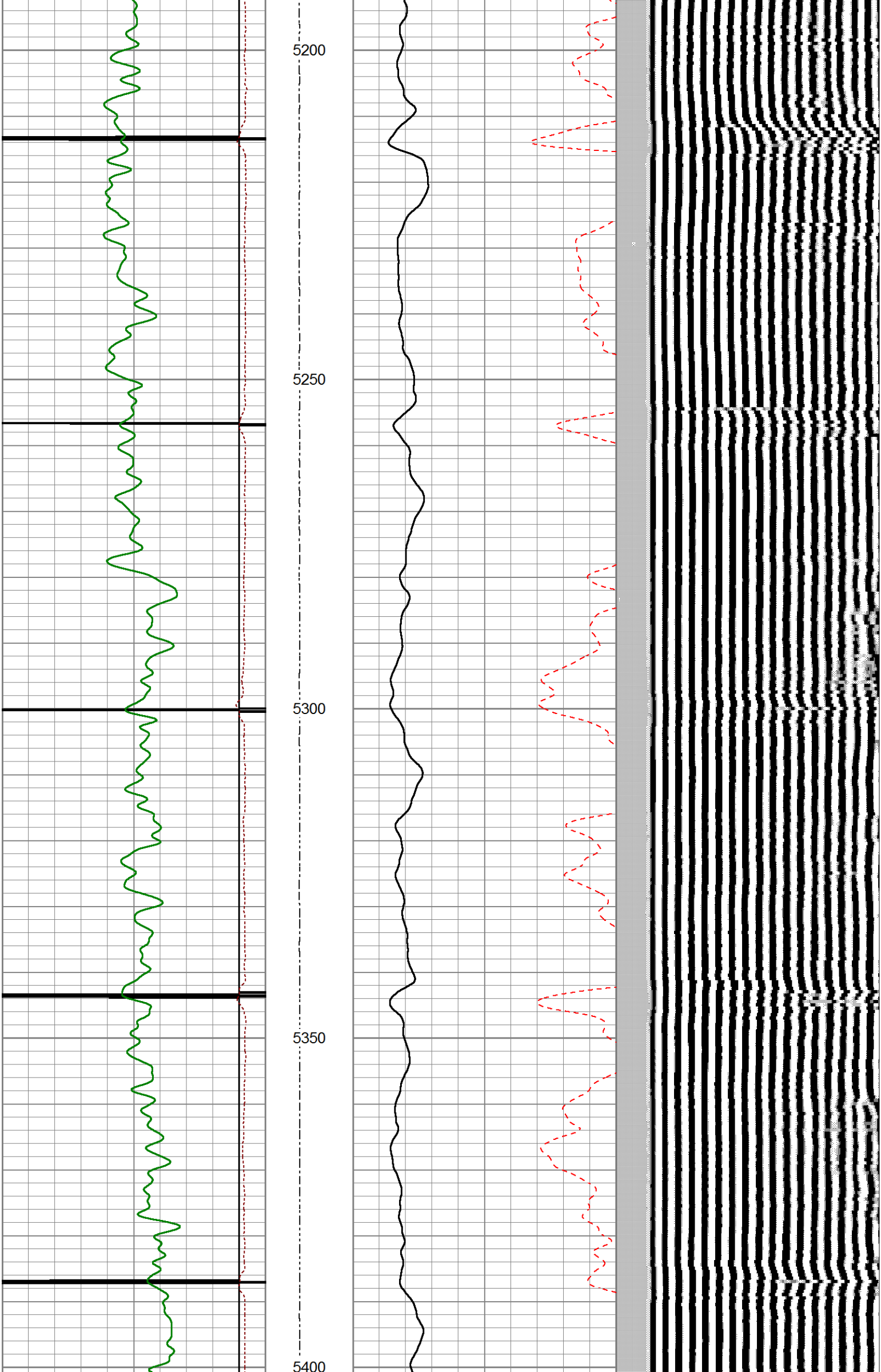
5000

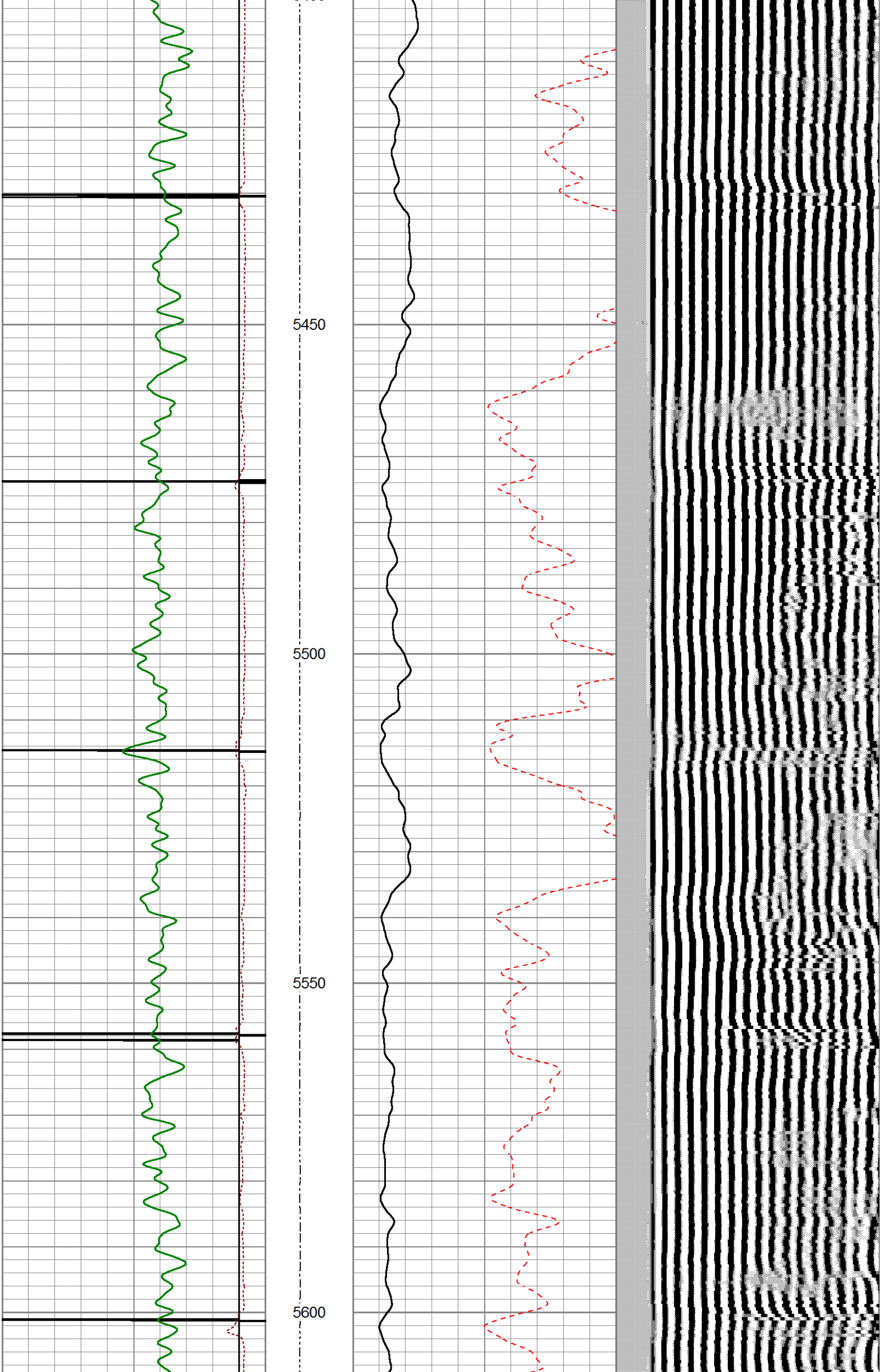
5050

5100

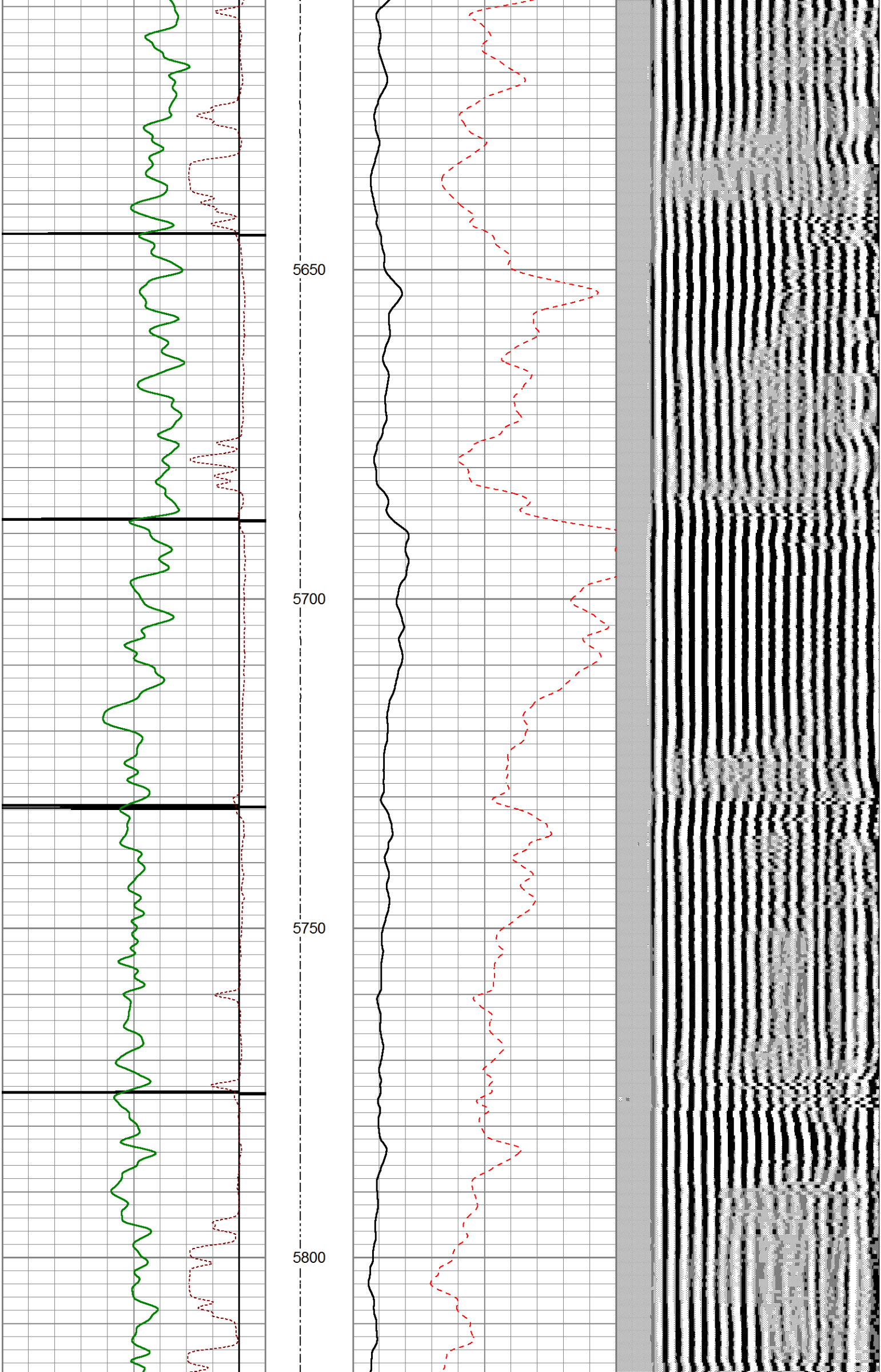
5150

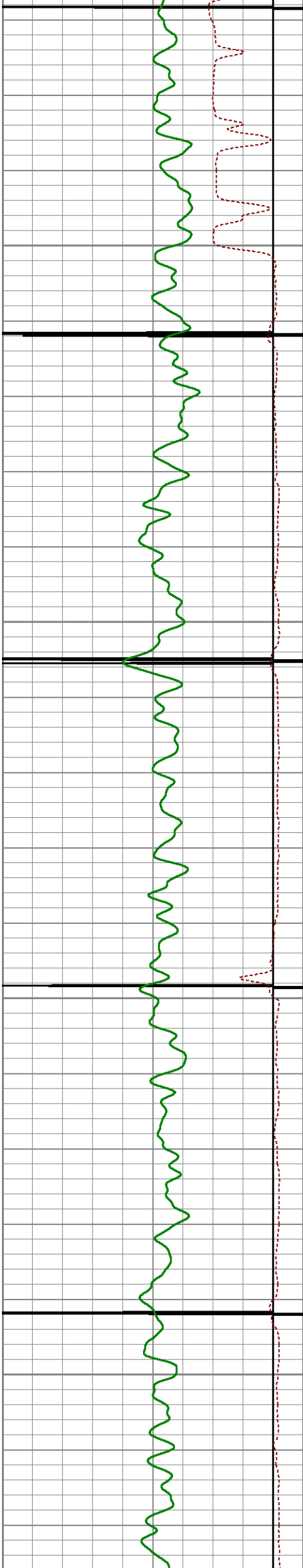










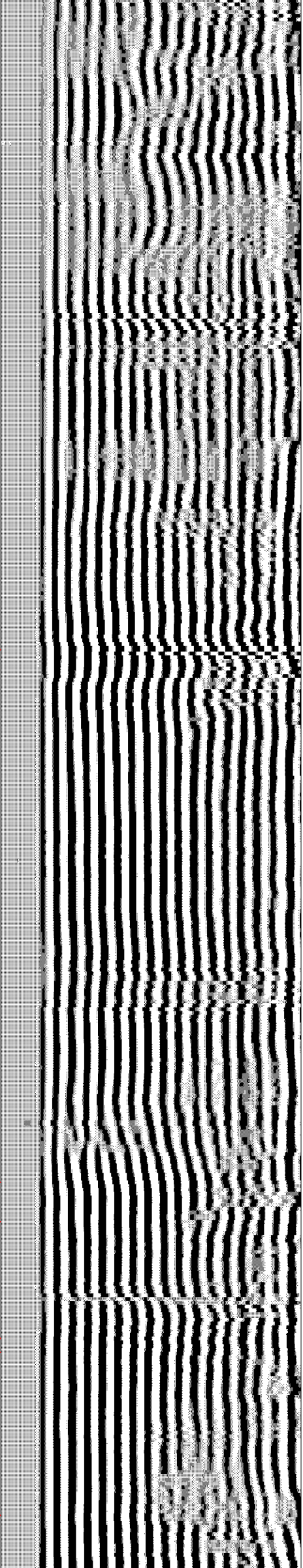
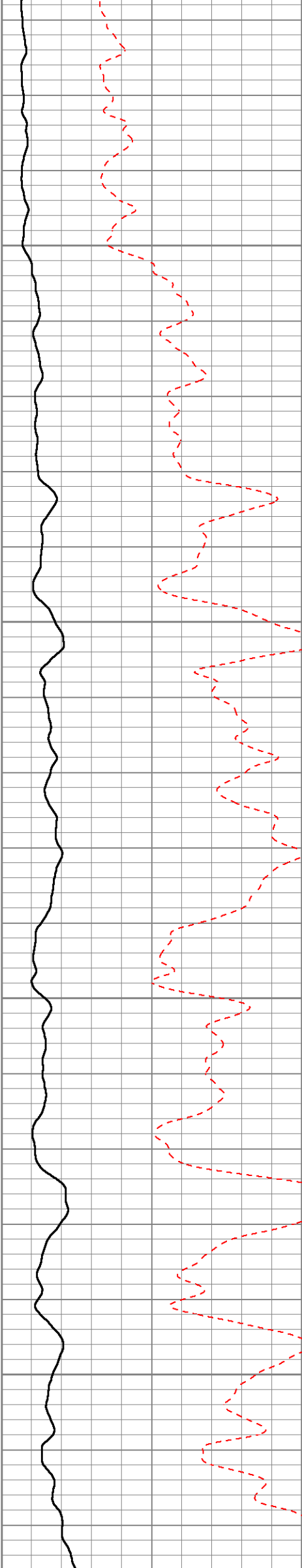


5850

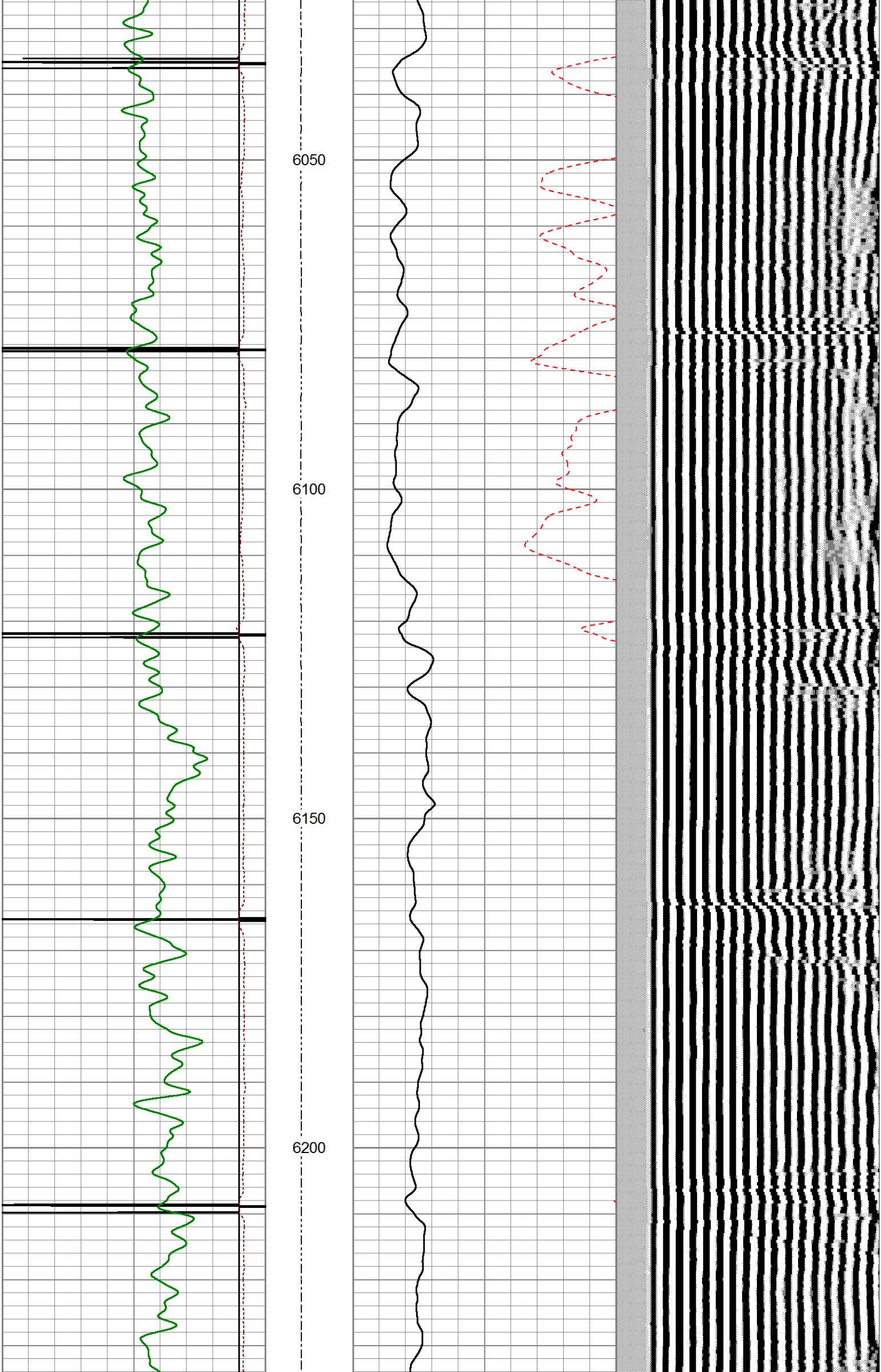
5900

5950

6000







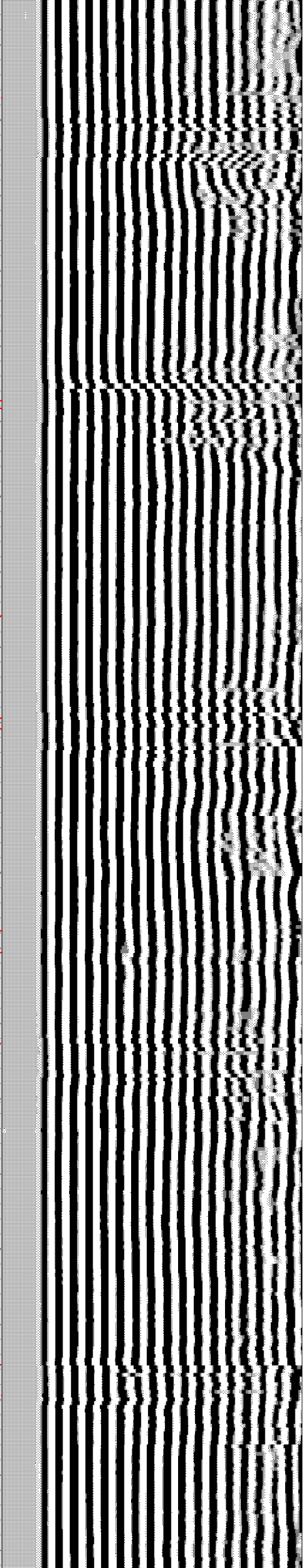
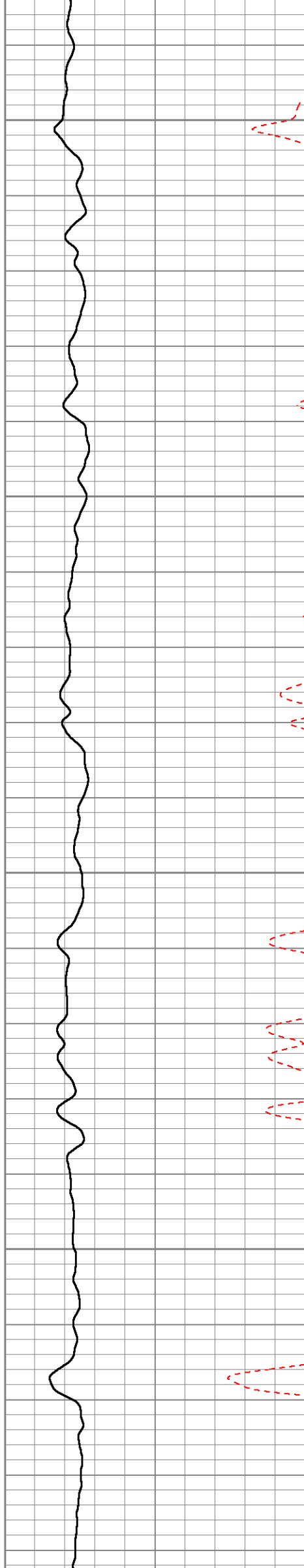


6250

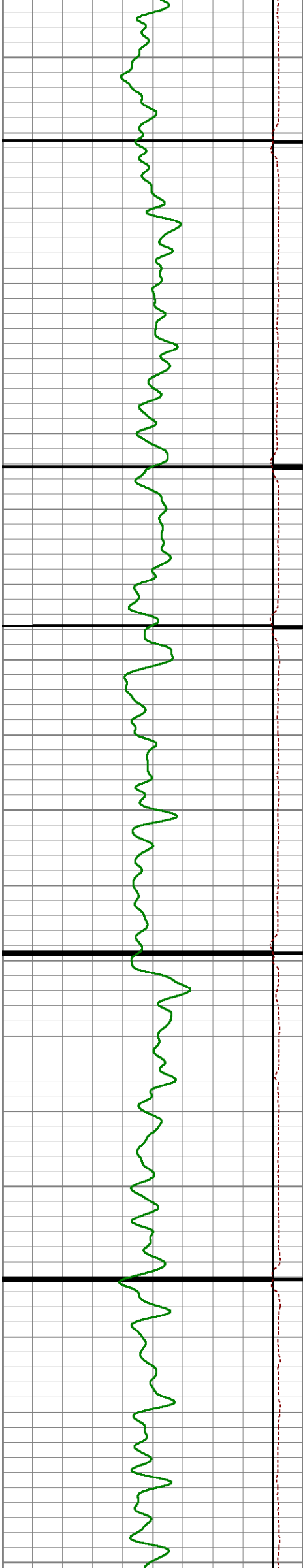
6300

6350

6400







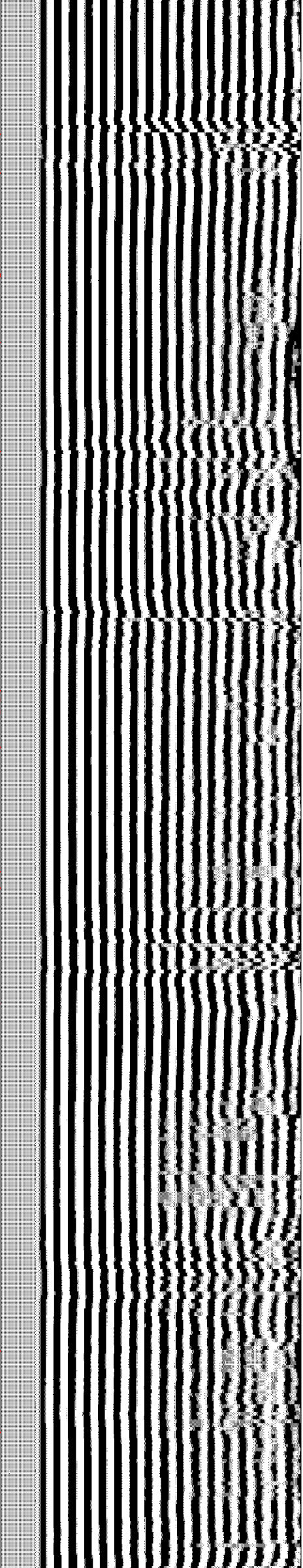
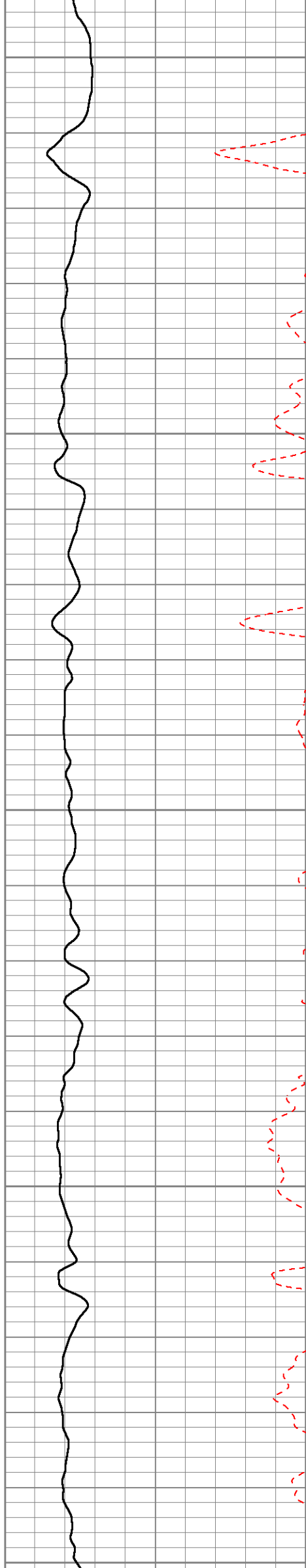
6450

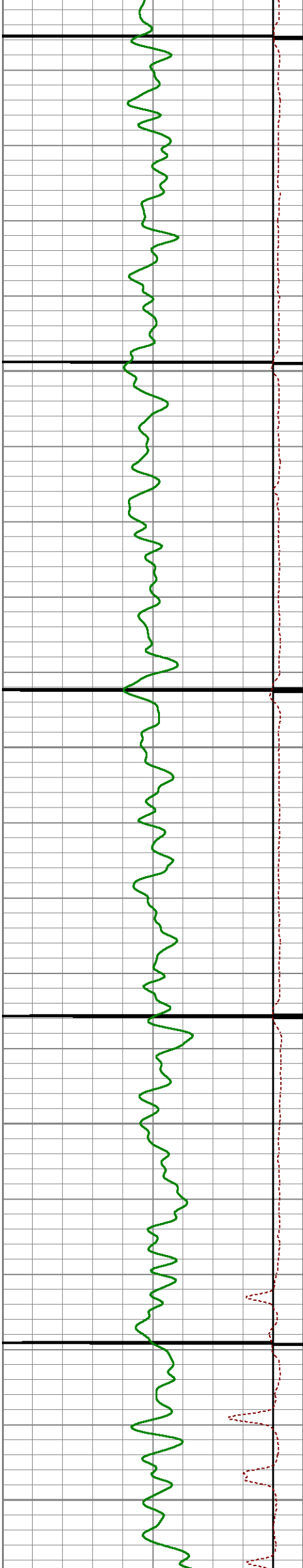
6500

6550

6600

6650



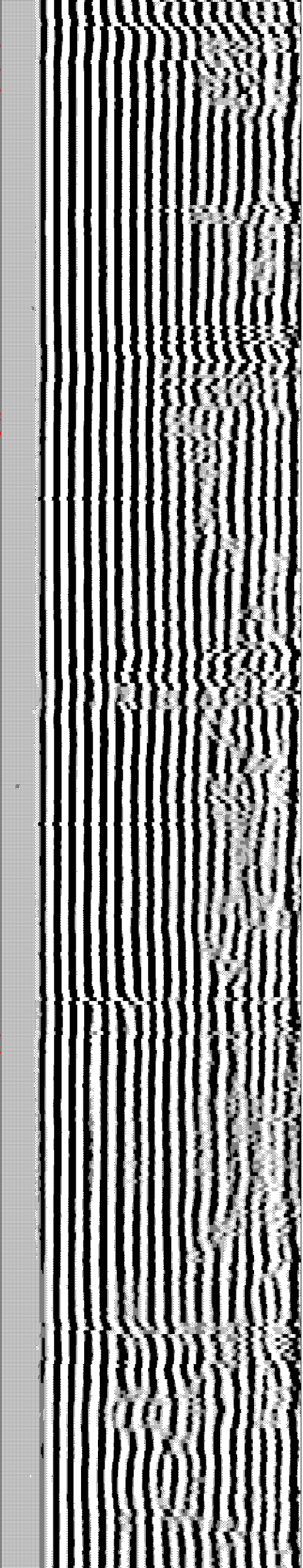
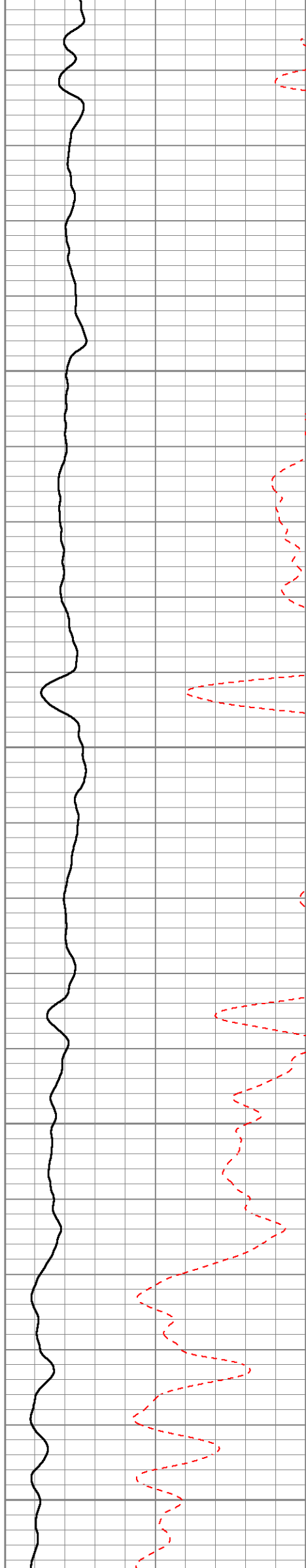


6700

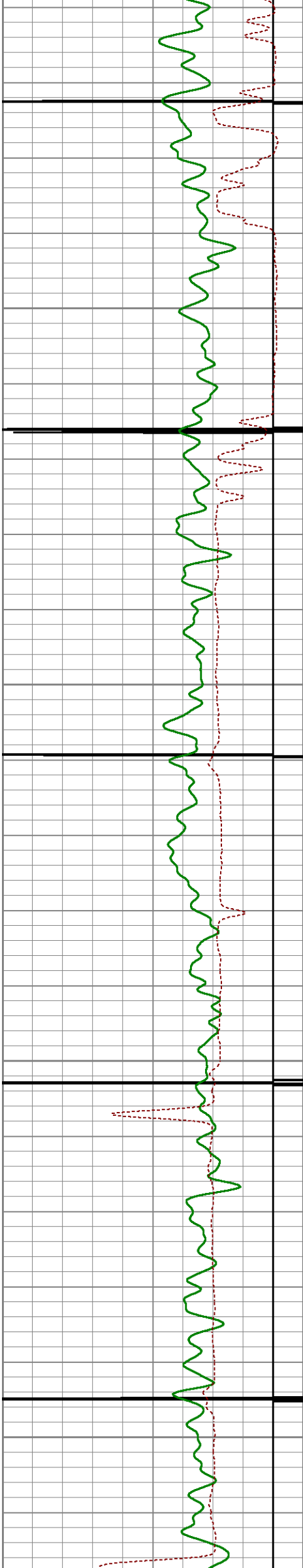
6750

6800

6850





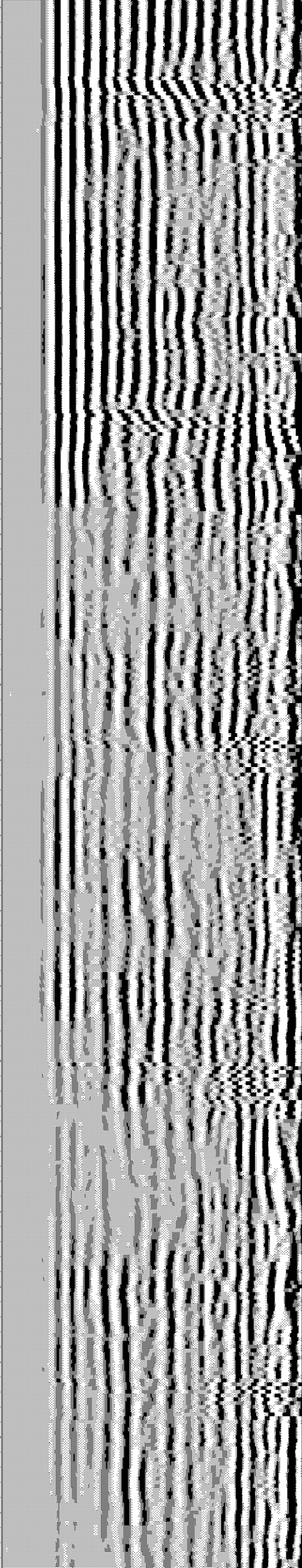
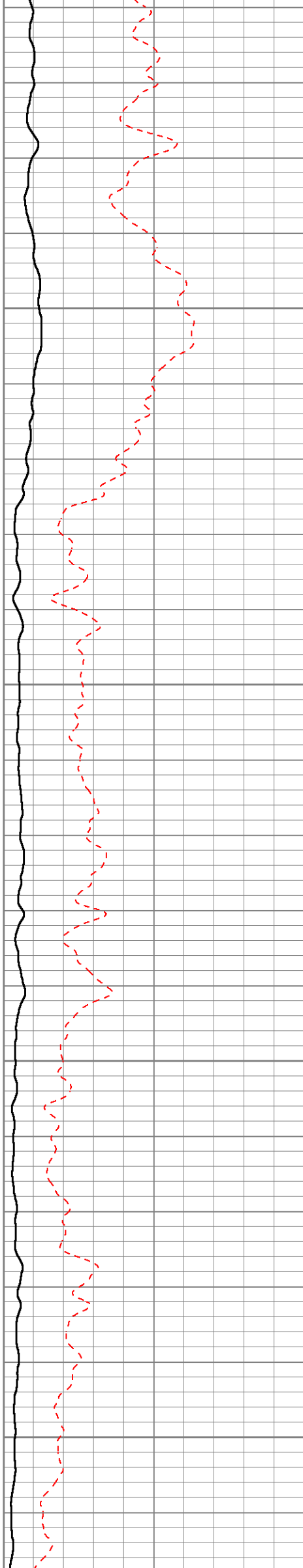


6900

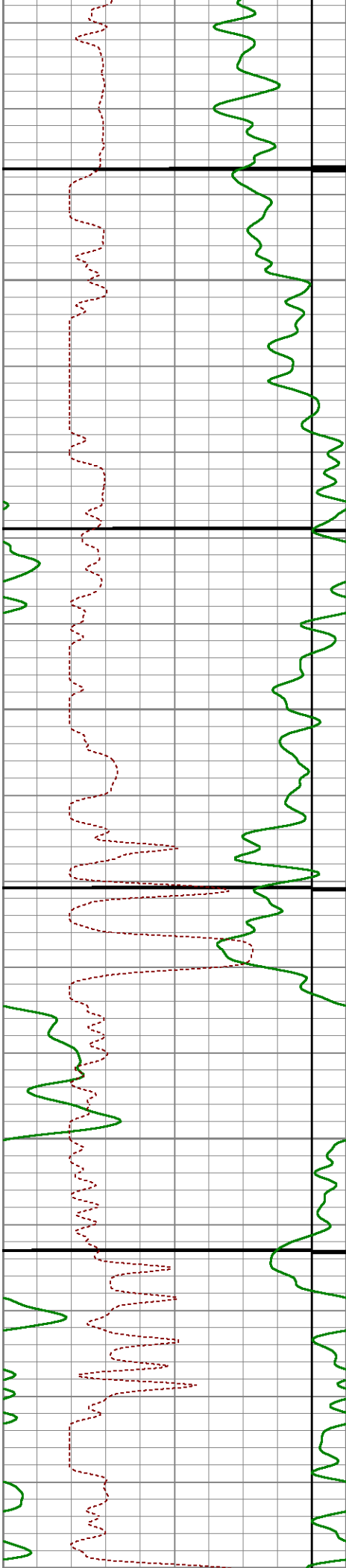
6950

7000

7050







7100

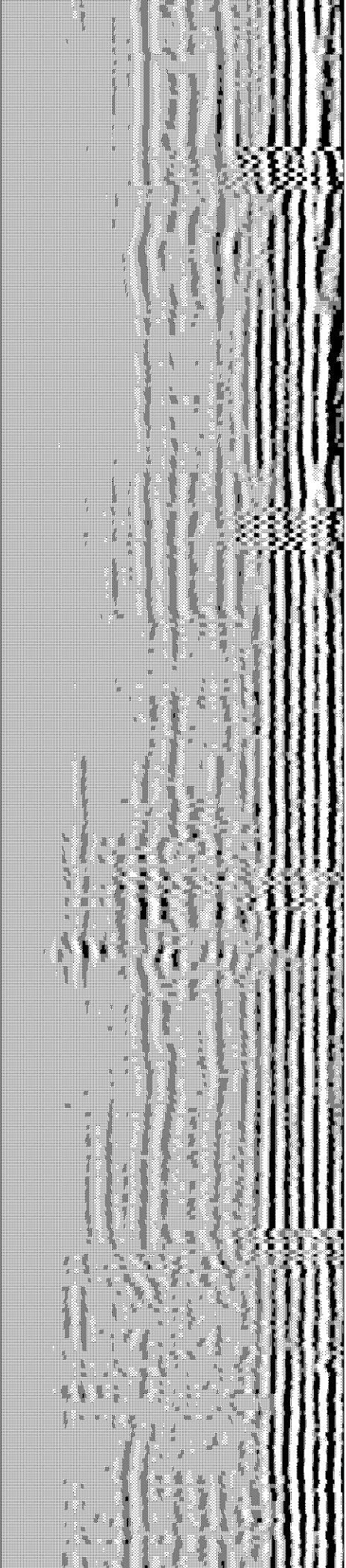
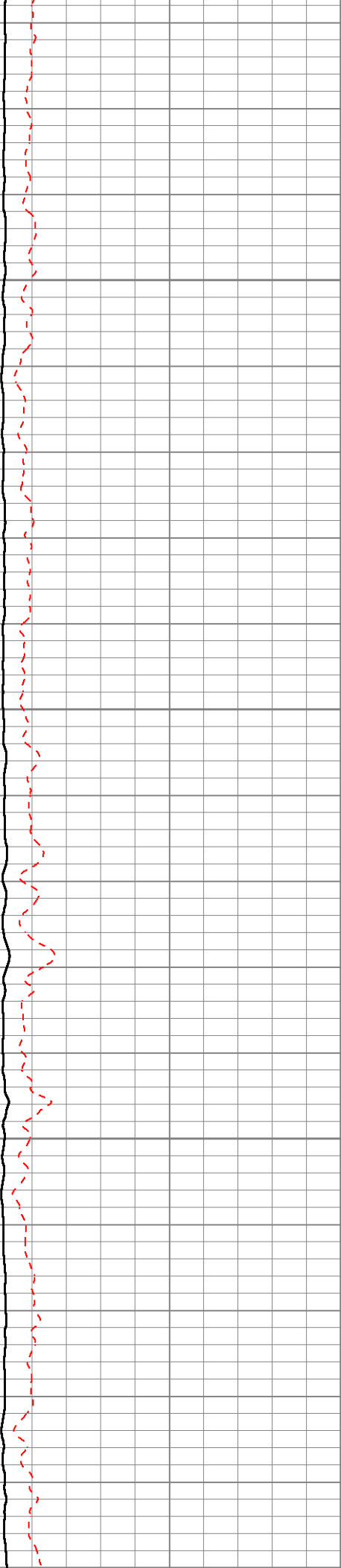
7150

7200

7250

TENS

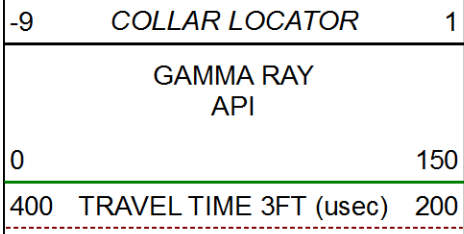
(lb/3000



200

Variable Density 5FT

1200



0

400 TRAVEL TIME 3FT (usec) 200



Weatherford®

MAIN PASS

3' 5' GR CCL VDL  
CEMENT BOND LOG



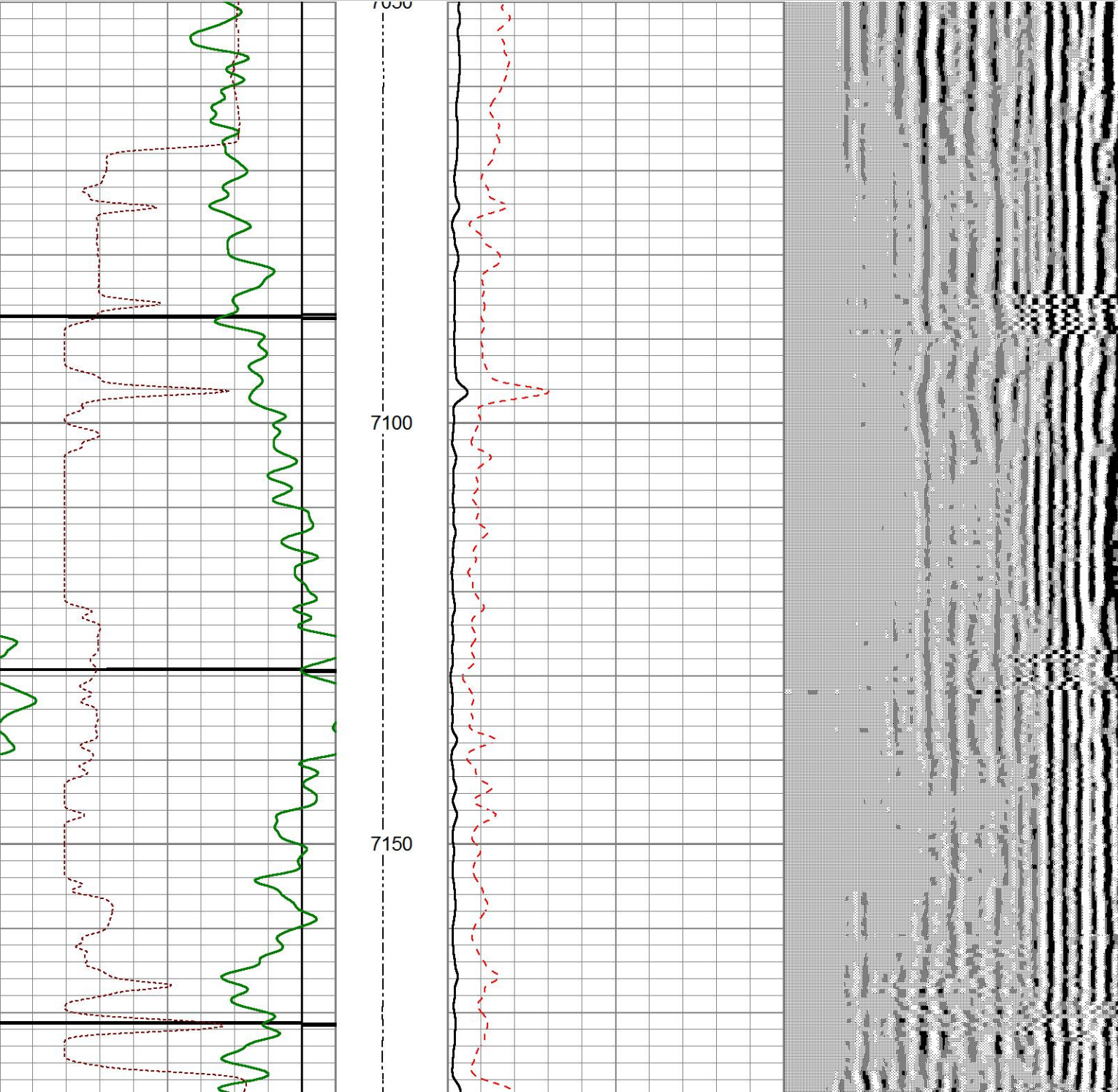
Weatherford®

REPEAT PASS

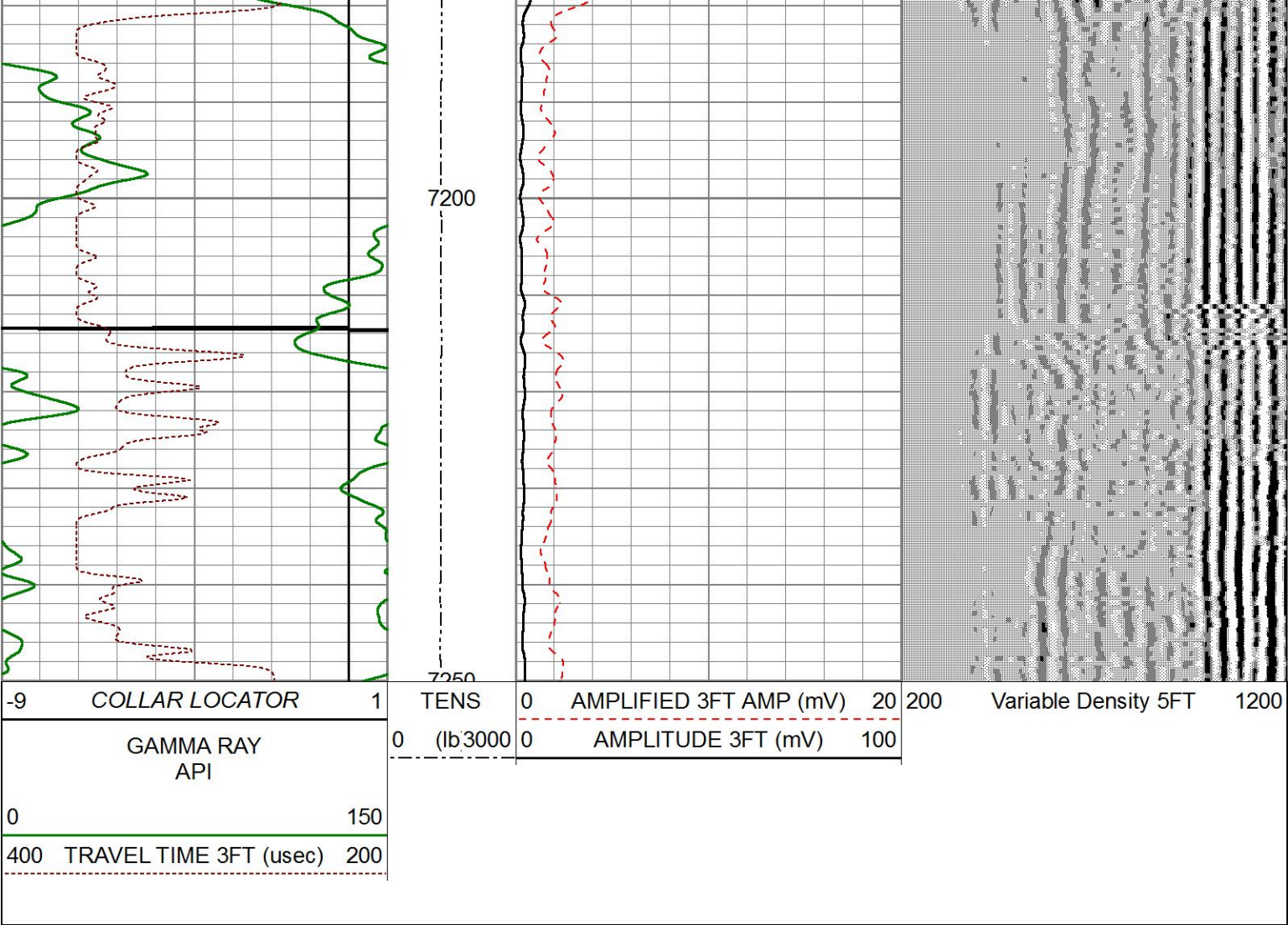
3' 5' GR CCL VDL  
CEMENT BOND LOG

Database File        waag20.db  
Dataset Pathname    pass1.9  
Presentation Format   gc3ft5ft  
Dataset Creation     Thu Oct 15 02:30:19 2015  
Charted by           Depth in Feet scaled 1:200

-9	COLLAR LOCATOR	1	TENS	0	AMPLIFIED 3FT AMP (mV)	20	200	Variable Density 5FT	1200
	GAMMA RAY API		0 (lb/3000	0	AMPLITUDE 3FT (mV)	100			
0		150							
400	TRAVEL TIME 3FT (usec)	200							







REPEAT PASS

3' 5' GR CCL VDL  
CEMENT BOND LOG

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CCL	23.39		CHD-Weatherford	1.03	1.44	
			CCLL-CTBA2.7H (CTBA2_7H) 2.75CCL/TELEMETRY COMPUTALOG LOGGING CCL	3.40	2.75	40.00
GR	19.78		GR-GRBA2.7H (GRBA2_7H) 2 3/4" 350F/20K PSI COMPUTALOG SIX PIN GAMMA RAY	4.76	2.75	40.00
			CENT-2.75CCent 2 3/4" computalog cent	3.08	2.75	11.90




Tool Name	Depth (ft)	Length (ft)	Weight (lb)	OD (in)
WVFS8	7.65	10.29	2.75	90.00
WVFS7	7.65			
WVFS6	7.65			
WVFS5	7.65			
WVFS4	7.65			
WVFS3	7.65			
WVFS2	7.65			
WVFS1	7.65			
WVF3FT	7.16			
WVF5FT	6.18			
WVFSYNC	2.67	2.50	2.75	11.90
WVFCAL	2.67			
		0.17	1.69	2.00

Dataset: waag20.db: field/well/run1/pass1.10

Total length: 25.22 ft

Total weight: 195.80 lb

O.D.: 2.75 in



SCBT-SCBT2.7H (SCBT2\_7H-XXXX)  
2 3/4" 350F/20K PSI COMPUTALOG SECTOR  
BOND TOOL

CENT-2.75CCent  
2 3/4" computalog cent

BullPlug-BullPlug1